

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 13	<b>Date of Summary:</b> 27-SEP-2001	<b>First Sample Examined:</b> 7030
<b>Lease Number:</b> G20819	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7873
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7873
<b>API Well Number:</b> 608054001600	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7030 - 7873	<b>Water Depth:</b> 4946
<b>Public Info Code:</b> Y 19-OCT-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7030 / 7030	DEF AT first sample examined	DEF IN 5
7031 / 7031	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7240 / 7240	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7873 / 7873	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 13	Date of Summary: 27-SEP-2001	First Sample Examined: 7030
Lease Number: G20819	Source of Paleo: OPERATOR	Borehole MD: 7873
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7873
API Well Number: 608054001600	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 7030 - 7873	Water Depth: 4946
Public Info Code: Y 19-OCT-2007	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7030 / 7030	DEF AT first sample examined	DEF AT
7031 / 7031	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7270 / 7270	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7840 / 7840	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7873 / 7873	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 25	Date of Summary: 01-FEB-1997	First Sample Examined: 7350
Lease Number: G10380	Source of Paleo: OPERATOR	Borehole MD: 13030
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13026
API Well Number: 608054000200	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7350 - 13980	Water Depth: 4795
Public Info Code: Y 01-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Hoover Prospect, company-integrated foram and nanno report, foram and nanno species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7350 / 7350	DEF AT first sample examined	DEF AT
7381 / 7381	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9630 / 9629	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10290 /10289	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11220 /11219	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11640 /11639	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
12265 /12264	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12360 /12359	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
12419 /12418	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12420 /12419	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12810 /12808	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12929 /12926	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
12930 /12927	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
12959 /12956	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
12960 /12957	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
13020 /13016	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13109 /	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
13110 /	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
13170 /	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13260 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
13288 /	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 25	Date of Summary: 01-FEB-1997	First Sample Examined: 7350
Lease Number: G10380	Source of Paleo: OPERATOR	Borehole MD: 13030
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13026
API Well Number: 608054000200	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7350 - 13980	Water Depth: 4795
Public Info Code: Y 01-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13289 /	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
13290 /	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
13320 /	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
13350 /	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT 6
13380 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
13409 /	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
13410 /	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13470 /	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
13559 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
13560 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
13650 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
13680 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
13710 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
13739 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
13740 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
13800 /	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 6
13950 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 6
13979 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
13980 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 65	Date of Summary: 01-APR-1997	First Sample Examined: 6788
Lease Number: G09249	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16427
API Well Number: 608054000300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6788 - 17000	Water Depth: 4852
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Diana Prospect, consultant-integrated foram and nanno report, 11880=Catinaster coalitus extensus, 12690=also at Uvigerina mexicana, 13170=Cibicides mexicanus, 14760=common Globigerina spp, 14790=Bulimina jarvisi, 14810=Helicosphaera bramlettei, 14820=Globigerina angulioffinalis

MD / TVD	Paleo Top Description	Ecozone
6788 / 6787	DEF AT first sample examined	DEF AT
6789 / 6788	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8820 / 8819	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9000 / 8999	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
9600 / 9599	DEF AT Lower Pliocene (Zanclian) Discoaster surculus (acme)	DEF AT
10140 /10139	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
10950 /10949	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11010 /11009	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11098 /11097	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11099 /11098	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11100 /11099	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT
11130 /11129	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11220 /11219	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT
11250 /11249	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
11370 /11368	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11550 /11548	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11640 /11638	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
11700 /11698	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11730 /11728	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11790 /11787	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 65	Date of Summary: 01-APR-1997	First Sample Examined: 6788
Lease Number: G09249	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16427
API Well Number: 608054000300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6788 - 17000	Water Depth: 4852
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11820 /11817	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
11850 /11847	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11880 /11876	DEF AT local marker floral increase	DEF AT
11940 /11935	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
11970 /11965	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12000 /11994	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT
12028 /12022	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
12029 /12023	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
12030 /12024	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
12088 /12080	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12089 /12081	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
12090 /12082	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
12120 /12111	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT
12149 /12140	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12150 /12141	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
12210 /12199	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
12269 /12257	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
12270 /12258	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
12329 /12315	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
12330 /12316	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT
12510 /12488	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
12598 /12570	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
12599 /12571	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
12600 /12572	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> AC 65	<b>Date of Summary:</b> 01-APR-1997	<b>First Sample Examined:</b> 6788
<b>Lease Number:</b> G09249	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17000
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16427
<b>API Well Number:</b> 608054000300	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6788 - 17000	<b>Water Depth:</b> 4852
<b>Public Info Code:</b> Y 23-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12660 /12628	DEF AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF AT
12689 /12655	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
12690 /12656	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT
12900 /12847	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
13020 /12952	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
13080 /13004	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT
13170 /13080	DEF AT local marker benthic foram increase	DEF AT
14340 /14067	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
14460 /14169	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
14659 /14340	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
14660 /14341	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
14750 /14421	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
14760 /14430	DEF AT local marker planktic foram increase	DEF AT
14790 /14457	DEF AT local marker benthic foram increase	DEF AT
14810 /14475	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
14940 /14592	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT
15830 /15349	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
16190 /15668	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
17000 /16427	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 65	Date of Summary: 01-MAY-1997	First Sample Examined: 11100
Lease Number: G09249	Source of Paleo: OPERATOR	Borehole MD: 12180
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11227
API Well Number: 608054000301	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 11100 - 15570	Water Depth: 4852
Public Info Code: Y 19-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Diana Prospect, 14760=Globigerinoides datum, 14820=Globigerina anguliofficialis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11100 /10517	DEF AT first sample examined	DEF AT 6
11101 /10517	DEF IN Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
11250 /10608	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11520 /10774	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 6
11550 /10793	DEF AT local marker planktic foram increase	DEF AT 6
11610 /10830	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
11700 /10888	DEF AT faunal change (no faunal increase)	DEF IN 5
11820 /10969	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11999 /11095	DEF AT condensed section	DEF IN 5
12000 /11096	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF IN 5
12030 /11118	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12060 /11139	DEF AT local marker planktic foram increase	DEF AT 6
12090 /11161	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 6
12150 /11205	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 6
12210 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 6
12240 /	DEF AT local marker planktic foram increase	DEF IN 6
12270 /	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 6
12390 /	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 6
12450 /	DEF AT drilling material	DEF IN 6
12510 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 6
12630 /	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 6
13080 /	DEF AT Lower Miocene (Aquitanean) Globorotalia kugleri	DEF IN 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 65	<b>Date of Summary:</b> 01-MAY-1997	<b>First Sample Examined:</b> 11100
<b>Lease Number:</b> G09249	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12180
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 11227
<b>API Well Number:</b> 608054000301	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11100 - 15570	<b>Water Depth:</b> 4852
<b>Public Info Code:</b> Y 19-MAY-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13410 /	DEF AT condensed section	DEF IN 6
13470 /	DEF AT deepwater facies Abbeville Iberia	DEF AT 6
13500 /	DEF AT local marker foram increase	DEF AT 6
13620 /	DEF AT faunal change (no faunal increase)	DEF IN 5
13800 /	DEF AT drilling material	DEF IN 5
14250 /	DEF AT local marker planktic foram increase	DEF IN 5
14759 /	POS AT Oligocene	DEF IN 5
14760 /	POS AT local marker planktic foram increase	DEF IN 5
14790 /	POS IN Oligocene	DEF AT 6
14820 /	DEF AT local marker planktic foram increase	DEF AT 6
14910 /	DEF AT local marker planktic foram increase	DEF AT 6
14940 /	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN 6
15570 /	DEF AT last sample examined	DEF IN 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 195	Date of Summary: 20-SEP-2000	First Sample Examined: 6940
Lease Number: G20831	Source of Paleo: OPERATOR	Borehole MD: 10853
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10000
API Well Number: 608054001400	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6940 - 10853	Water Depth: 5256
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6940 / 6940	DEF AT first sample examined	DEF AT 5
7870 / 7864	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
8140 / 8123	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8290 / 8264	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8620 / 8558	DEF AT - - - - -	DEF AT 5
10030 / 9447	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10060 / 9467	DEF AT - - - - -	DEF IN 5
10210 / 9565	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10360 / 9666	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10540 / 9788	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
10690 / 9889	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10853 / 9999	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 195	Date of Summary: 20-SEP-2000	First Sample Examined: 6940
Lease Number: G20831	Source of Paleo: OPERATOR	Borehole MD: 10853
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10000
API Well Number: 608054001400	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6940 - 10853	Water Depth: 5256
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6940 / 6940	DEF AT first sample examined	DEF AT
6941 / 6941	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7510 / 7510	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7960 / 7950	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8110 / 8094	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
8170 / 8151	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8500 / 8455	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9940 / 9391	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10000 / 9428	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10120 / 9505	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10150 / 9525	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10240 / 9585	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10270 / 9606	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10360 / 9666	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10450 / 9727	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10540 / 9788	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10630 / 9849	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
10853 / 9999	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 200	Date of Summary: 30-JUN-1998	First Sample Examined: 6780
Lease Number: G15964	Source of Paleo: OPERATOR	Borehole MD: 10630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10630
API Well Number: 608054000400	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 6780 - 10620	Water Depth: 5088
Public Info Code: Y 31-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Bohemia Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6780 / 6780	DEF AT first sample examined	DEF AT 3
6781 / 6781	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
6900 / 6900	DEF AT local marker planktic foram increase	DEF AT 4
7380 / 7380	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
8400 / 8400	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
8819 / 8819	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
8820 / 8820	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
9180 / 9180	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9500 / 9500	DEF AT - - - - -	DEF AT 3
10140 /10140	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 3
10230 /10230	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 3
10260 /10260	DEF AT - - - - -	DEF AT 4
10290 /10290	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
10320 /10320	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10379 /10379	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
10380 /10380	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10410 /10410	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
10440 /10440	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
10469 /10469	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT 4
10470 /10470	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
10500 /10500	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 200	Date of Summary: 30-JUN-1998	First Sample Examined: 6780
Lease Number: G15964	Source of Paleo: OPERATOR	Borehole MD: 10630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10630
API Well Number: 608054000400	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 6780 - 10620	Water Depth: 5088
Public Info Code: Y 31-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10620 /10620	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 529	Date of Summary: 22-FEB-2007	First Sample Examined: 5490
Lease Number: G27691	Source of Paleo: OPERATOR	Borehole MD: 6488
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6488
API Well Number: 608054003500	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5490 - 6480	Water Depth: 4002
Public Info Code: Y 21-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5490 / 5490	DEF AT first sample examined	DEF IN 5
5491 / 5491	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
5492 / 5492	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
5520 / 5520	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
5550 / 5550	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
5669 / 5669	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
5670 / 5670	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
5700 / 5700	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
5729 / 5729	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
5730 / 5730	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5790 / 5790	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
5819 / 5819	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
5820 / 5820	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
5940 / 5940	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
5970 / 5970	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
6030 / 6030	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
6090 / 6090	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
6150 / 6150	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
6180 / 6180	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
6300 / 6300	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
6360 / 6360	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF IN 5
6390 / 6390	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 529	<b>Date of Summary:</b> 22-FEB-2007	<b>First Sample Examined:</b> 5490
<b>Lease Number:</b> G27691	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6488
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6488
<b>API Well Number:</b> 608054003500	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5490 - 6480	<b>Water Depth:</b> 4002
<b>Public Info Code:</b> Y 21-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 6450	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
6480 / 6480	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 557	<b>Date of Summary:</b> 08-MAY-2001	<b>First Sample Examined:</b> 10140
<b>Lease Number:</b> G08272	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11096
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11096
<b>API Well Number:</b> 608054001300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 10140 - 10950	<b>Water Depth:</b> 7790
<b>Public Info Code:</b> Y 04-DEC-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Baha Prospect, 10350=silty increase (possible Eocene exotic block)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10140 /10140	DEF AT first sample examined	DEF AT 4
10141 /10141	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 4
10230 /10230	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 4
10260 /10260	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4
10350 /10350	DEF AT out-of-place section	DEF AT 4
10351 /10351	POS AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 4
10470 /10470	POS IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10830 /10830	DEF IN Eocene	DEF AT 5
10831 /10831	DEF AT local marker foram increase	DEF AT 5
10950 /10950	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 557	<b>Date of Summary:</b> 01-JUN-2001	<b>First Sample Examined:</b> 10140
<b>Lease Number:</b> G08272	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11096
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 11096
<b>API Well Number:</b> 608054001300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 10140 - 11081	<b>Water Depth:</b> 7790
<b>Public Info Code:</b> Y 04-DEC-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Baha Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10140 /10140	DEF AT first sample examined	DEF AT
10141 /10141	POS IN Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
10380 /10380	POS IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
10381 /10381	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10530 /10530	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
10710 /10710	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
11070 /11070	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 557	Date of Summary: 01-JUL-2001	First Sample Examined: 10933
Lease Number: G08272	Source of Paleo: OPERATOR	Borehole MD: 11096
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 11096
API Well Number: 608054001300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 10933 - 11739	Water Depth: 7790
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS:	Paleo ID: 004

Remark: Baha Prospect, calcareous nannofossil report, 11478=Helicosphaera seminulum

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10933 /10933	DEF AT first sample examined	DEF AT
10934 /10934	POS IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
11004 /11004	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
11025 /11025	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
11252 /	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
11478 /	DEF AT local marker floral increase	DEF AT
11506 /	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
11569 /	DEF AT local marker floral decrease	DEF AT
11611 /	DEF AT local marker floral increase	DEF AT
11726 /	DEF AT local marker floral decrease	DEF AT
11738 /	POS AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
11739 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 557	Date of Summary: 08-MAY-2001	First Sample Examined: 10950
Lease Number: G08272	Source of Paleo: OPERATOR	Borehole MD: 16691
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16370
API Well Number: 608054001301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 10950 - 16690	Water Depth: 7790
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Baha Prospect, 13020=dwarfed arenaceous fauna, 11400=possible Eocene based on nannos

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10950 /10950	DEF AT first sample examined	DEF IN 4
11100 /11100	DEF AT cement	DEF IN 4
11280 /11280	POS IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 4
11400 /11400	POS AT Eocene	DEF IN 4
11490 /11489	POS IN Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 4
11670 /11669	POS IN Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 4
11850 /11849	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF IN 4
11940 /11939	DEF AT -----	DEF AT 5
12060 /12059	DEF AT -----	DEF IN 4
13020 /13019	DEF AT Arenaceous fauna (local marker)	DEF IN 4
13530 /13520	DEF IN Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 4
15630 /15433	DEF AT sand	DEF AT 4
16690 /16369	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 557	Date of Summary: 01-JUN-2001	First Sample Examined: 11700
Lease Number: G08272	Source of Paleo: OPERATOR	Borehole MD: 16691
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 16370
API Well Number: 608054001301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 3	Sample Range: 11700 - 16680	Water Depth: 7790
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS:	Paleo ID: 003

Remark: Baha Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11700 /11699	DEF AT first sample examined	DEF AT
11701 /11700	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
11790 /11789	DEF IN Middle Eocene (Bartonian) Pemma balium	DEF AT
11850 /11849	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
11910 /11909	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
12000 /11999	POS AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
12090 /12089	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
12210 /12209	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
16690 /16369	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 557	<b>Date of Summary:</b> 01-JUL-2001	<b>First Sample Examined:</b> 11835
<b>Lease Number:</b> G08272	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16691
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 16370
<b>API Well Number:</b> 608054001301	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 11835 - 14532	<b>Water Depth:</b> 7790
<b>Public Info Code:</b> Y 04-DEC-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Baha Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11835 /11834	DEF AT first sample examined	DEF AT
11836 /11835	DEF IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
12327 /12326	POS AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
13911 /13880	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
14532 /14446	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 557	<b>Date of Summary:</b> 01-MAY-2001	<b>First Sample Examined:</b> 16510
<b>Lease Number:</b> G08272	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19618
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19164
<b>API Well Number:</b> 608054001302	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 6	<b>Sample Range:</b> 16510 - 17280	<b>Water Depth:</b> 7790
<b>Public Info Code:</b> Y 04-DEC-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Baha Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16510 /16259	DEF AT first sample examined	POS AT 5
16840 /16563	POS AT Cretaceous	POS AT 5
16900 /16618	DEF AT Upper Cretaceous (Campanian) Globorotalites micheliniana	POS AT 5
16920 /16636	DEF AT local marker foram increase	DEF AT 5
16950 /16663	DEF AT local marker foram increase	DEF AT 5
17010 /16718	DEF AT Upper Cretaceous (Campanian) Archaeoglobigerina bosquensis	DEF AT 5
17190 /16882	DEF AT Upper Cretaceous (Campanian) Marginotruncana coronata	DEF AT 5
17279 /16964	POS IN Upper Cretaceous Santonian Stage	DEF IN 4
17280 /16965	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 557	Date of Summary: 01-JUN-2001	First Sample Examined: 16920
Lease Number: G08272	Source of Paleo: OPERATOR	Borehole MD: 19618
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 19164
API Well Number: 608054001302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 6	Sample Range: 16920 - 19618	Water Depth: 7790
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Baha Prospect, calcareous nannofossil report, use wellsite biostratigraphic summary downhole from this point due to better data recovery

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16920 /16636	DEF AT first sample examined	DEF AT
16921 /16637	POS AT local marker floral increase	DEF AT
16922 /16638	POS IN Upper Cretaceous Maastrichtian Stage	DEF AT
16980 /16691	DEF AT Upper Cretaceous (Campanian) Eiffellithus eximius	DEF AT
19618 /19164	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 557	<b>Date of Summary:</b> 01-JUN-2001	<b>First Sample Examined:</b> 17210
<b>Lease Number:</b> G08272	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19618
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 19164
<b>API Well Number:</b> 608054001302	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 6	<b>Sample Range:</b> 17210 - 19610	<b>Water Depth:</b> 7790
<b>Public Info Code:</b> Y 04-DEC-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Baha Prospect, calcareous nannofossil wellsite report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17210 /16901	DEF AT first sample examined	DEF AT
17211 /16902	POS IN Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
17540 /17204	DEF AT Upper Cretaceous (Campanian) Lithastrinus grillii	DEF AT
18070 /17694	DEF AT Upper Cretaceous (Campanian) Marthasterites furcatus	DEF AT
18140 /17759	DEF AT Upper Cretaceous (Campanian) Bukryaster hayi	DEF AT
18380 /17984	DEF AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
18640 /18229	POS AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT
18641 /18230	POS AT Lower Cretaceous (Albian) Prediscosphaera columnata	DEF AT
18740 /18324	DEF AT Upper Cretaceous (Cenomanian) Microstaurus chiastius	DEF AT
18810 /18390	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT
18870 /18447	DEF AT Upper Cretaceous (Cenomanian) Lithraphidites acutus	DEF AT
19610 /19156	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 557	Date of Summary: 01-JUN-2001	First Sample Examined: 17310
Lease Number: G08272	Source of Paleo: OPERATOR	Borehole MD: 19618
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19164
API Well Number: 608054001302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 4 of 6	Sample Range: 17310 - 19610	Water Depth: 7790
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS: N	Paleo ID: 006

**Remark:** Baha Prospect, 17311=rare Santonian Hedbergella flandrini, 17761=rare Turonian Dicarotella algeriana, 18600=rare Cenomanian Rotalipora brotzeni

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17310 /16992	DEF AT first sample examined	DEF AT
17311 /16993	POS IN Upper Cretaceous (Santonian) Marginotruncana sinuosa	DEF AT
17312 /16994	POS AT Upper Cretaceous (Santonian) Hedbergella delrioensis	DEF AT
17760 /17407	POS AT Upper Cretaceous Turonian Stage	DEF AT
17761 /17408	POS AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT
18510 /18106	POS AT Upper Cretaceous (Turonian) Helvetoglobotruncana praehelvetica	DEF AT
18600 /18191	POS IN Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF AT
18630 /18219	DEF AT local marker foram decrease	DEF AT
18640 /18229	DEF AT cement	DEF AT
19610 /19156	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 557	Date of Summary: 01-JUL-2001	First Sample Examined: 15957
Lease Number: G08272	Source of Paleo: OPERATOR	Borehole MD: 19618
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 19164
API Well Number: 608054001302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 5 of 6	Sample Range: 15957 - 19330	Water Depth: 7790
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS:	Paleo ID: 005

Remark: Baha Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15957 /15751	DEF AT first sample examined	DEF AT
16730 /16461	DEF AT Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT
16822 /16546	DEF AT local marker nannofossil (see remarks)	DEF AT
16900 /16618	DEF AT local marker nannofossil (see remarks)	DEF AT
17350 /17029	DEF AT local marker nannofossil (see remarks)	DEF AT
17440 /17112	DEF AT local marker nannofossil (see remarks)	DEF AT
17734 /17383	DEF AT Upper Cretaceous (Maastrichtian) Reinhardites levis	DEF AT
17790 /17435	DEF AT local marker floral increase	DEF AT
17973 /17604	POS AT Upper Cretaceous (Campanian) Aspidolithus parvus parvus	DEF AT
17974 /17605	DEF AT Upper Cretaceous (Campanian) Reinhardites anthophorus "A"	DEF AT
17980 /17610	DEF AT local marker floral decrease	DEF AT
19329 /18886	POS AT Upper Cretaceous (Campanian) Eiffellithus eximius	DEF AT
19330 /18887	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 557	Date of Summary: 01-JUL-2002	First Sample Examined: 16980
Lease Number: G08272	Source of Paleo: MINERALS MANAGEMENT SERVICE	Borehole MD: 19618
Well Name: 001	Paleo Done By: ROBERT WITROCK	Borehole TVD: 19164
API Well Number: 608054001302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 6 of 6	Sample Range: 16980 - 19618	Water Depth: 7790
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 007

Remark: Baha Prospect, paleobathymetric analysis only, done by Jim J Galluzzo

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16980 /16691	DEF AT first sample examined	DEF AT 5
17190 /16882	DEF AT -----	DEF IN 5
17310 /16992	DEF AT -----	DEF IN 4
17400 /17075	DEF AT -----	DEF AT 5
17610 /17269	DEF AT -----	POS AT 5
17700 /17351	DEF AT -----	DEF AT 5
17820 /17462	DEF AT -----	POS IN 4
18090 /17713	DEF AT poor sample interval top	DEF IN 4
18120 /17741	DEF AT poor sample interval bottom	DEF IN 4
18300 /17909	DEF AT -----	DEF AT 5
18570 /18163	DEF AT poor sample interval top	DEF AT
19617 /19163	DEF AT poor sample interval bottom	DEF AT
19618 /19164	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 600	Date of Summary: 26-JUL-1996	First Sample Examined: 9290
Lease Number: G08580	Source of Paleo: OPERATOR	Borehole MD: 11253
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11253
API Well Number: 608054000100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 50
Paleo Report Num: 1 of 3	Sample Range: 9290 - 11204	Water Depth: 7620
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report, 9290=NP23/24 with NP17? reworking, 9957=within NP23? (H recta in sidewall cores), 10692=within NP23?? (H perch-nielseniae in sidewall core), 10722=Eocene/Oligocene boundary? NP21, 10922=NP20 or older, reworked or older, in place ??, 10940=NP20 or older, probably in place, possible unconformity, 11030=NP17 or older, 11068=NP16 or younger, 11078=NP15?, 11082=NP15?, 11086=Late Eocene contamination (Ismolithus recurvus in sidewall core), 11024=NP14 (Reticulofenestra inflata abundant in ditch sample)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9290 / 9290	DEF AT first sample examined	DEF AT
9291 / 9291	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
9717 / 9717	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT
9957 / 9957	POS AT Lower Miocene (Aquitainian) Helicosphaera recta	DEF AT
10692 /10692	POS AT unconformity	DEF AT
10693 /10693	POS IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
10722 /10722	POS AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
10921 /10921	DEF AT reworked material	DEF AT
10922 /10922	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10939 /10939	POS AT unconformity	DEF AT
10940 /10940	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
11029 /11029	POS AT unconformity	DEF AT
11030 /11030	DEF IN Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
11031 /11031	DEF IN Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
11068 /11068	DEF IN Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
11078 /11078	POS AT reworked material	DEF AT
11082 /11082	POS IN reworked material	DEF AT
11086 /11086	POS AT reworked material	DEF AT
11204 /11204	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 600	Date of Summary: 26-JUL-1996	First Sample Examined: 9290
Lease Number: G08580	Source of Paleo: OPERATOR	Borehole MD: 11253
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11253
API Well Number: 608054000100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 50
Paleo Report Num: 1 of 3	Sample Range: 9290 - 11204	Water Depth: 7620
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS:	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11254 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 600	Date of Summary: 16-JUN-1997	First Sample Examined: 9290
Lease Number: G08580	Source of Paleo: OPERATOR	Borehole MD: 11253
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11253
API Well Number: 608054000100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 50
Paleo Report Num: 3 of 3	Sample Range: 9290 - 11254	Water Depth: 7620
Public Info Code: Y 04-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9290 / 9290	DEF AT first sample examined	DEF AT 5
9590 / 9590	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10610 /10610	DEF IN Lower Oligocene (Rupelian) Textularia mississippiensis seligi	DEF AT 5
10693 /10693	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
10694 /10694	DEF AT Lower Oligocene (Rupelian) Cibicides mississippiensis	DEF AT 5
10820 /10820	DEF AT - - - - -	DEF IN 5
10910 /10910	DEF IN Upper (Late) Eocene	DEF AT 5
10917 /10917	DEF IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
11000 /11000	DEF AT Middle Eocene	DEF AT 5
11254 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 627	Date of Summary: 31-MAR-2000	First Sample Examined: 7000
Lease Number: G20852	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10500
API Well Number: 608054000600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7000 - 10500	Water Depth: 5211
Public Info Code: Y 30-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 7000	DEF AT first sample examined	DEF AT 5
7390 / 7390	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7630 / 7630	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
7810 / 7810	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7900 / 7900	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7990 / 7990	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
8020 / 8020	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8320 / 8320	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8410 / 8410	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
8440 / 8440	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8560 / 8560	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
9130 / 9130	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
9220 / 9220	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
9250 / 9250	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
9340 / 9340	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
9430 / 9430	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
9550 / 9550	DEF AT -----	DEF IN 5
9730 / 9730	DEF AT -----	DEF AT 5
10030 /10030	DEF AT -----	DEF IN 5
10360 /10360	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
10480 /10480	DEF AT Lower Miocene (Aquitainian) Globigerina angulisuturalis	DEF IN 5
10500 /10500	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 627	Date of Summary: 31-MAR-2000	First Sample Examined: 7000
Lease Number: G20852	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10500
API Well Number: 608054000600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7000 - 10500	Water Depth: 5211
Public Info Code: Y 30-NOV-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 7000	DEF AT first sample examined	DEF AT
7001 / 7001	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7390 / 7390	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7600 / 7600	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7810 / 7810	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
7870 / 7870	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7960 / 7960	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7990 / 7990	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8020 / 8020	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8080 / 8080	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8110 / 8110	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8260 / 8260	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
8320 / 8320	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
8350 / 8350	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8440 / 8440	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8500 / 8500	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
8530 / 8530	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8800 / 8800	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8801 / 8801	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
8802 / 8802	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8890 / 8890	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8980 / 8980	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 627	<b>Date of Summary:</b> 31-MAR-2000	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G20852	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10500
<b>API Well Number:</b> 608054000600	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7000 - 10500	<b>Water Depth:</b> 5211
<b>Public Info Code:</b> Y 30-NOV-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9070 / 9070	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9071 / 9071	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9130 / 9130	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
9220 / 9220	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
9221 / 9221	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
9250 / 9250	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
9280 / 9280	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
9340 / 9340	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
9370 / 9370	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
9430 / 9430	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
9431 / 9431	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
9910 / 9910	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
10060 /10060	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
10330 /10330	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
10360 /10360	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
10480 /10480	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
10500 /10500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 731	Date of Summary: 25-SEP-2007	First Sample Examined: 11785
Lease Number: G19386	Source of Paleo: OPERATOR	Borehole MD: 16844
Well Name: AC001	Paleo Done By: OPERATOR	Borehole TVD: 15744
API Well Number: 608054003600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11785 - 15150	Water Depth: 8694
Public Info Code: Y 15-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: North Bront Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11785 /11784	DEF AT first sample examined	DEF IN 5
11786 /11785	DEF IN condensed section	DEF IN 5
11787 /11786	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
11788 /11787	DEF IN Upper Miocene (Tortonian) Discoaster bellus	DEF IN 5
11850 /11849	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
11880 /11879	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
11909 /11908	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
11910 /11909	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
11937 /11936	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF IN 5
11938 /11937	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
11939 /11938	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
11940 /11939	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
11969 /11968	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
11970 /11969	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
11999 /11998	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF IN 5
12000 /11999	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
12028 /12027	DEF AT unconformity	DEF IN 5
12029 /12028	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5
12030 /12029	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
12085 /12084	DEF IN Lower Oligocene (Rupelian) Discoaster nodifer	DEF IN 5
12119 /12118	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF IN 5
12120 /12119	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 731	Date of Summary: 25-SEP-2007	First Sample Examined: 11785
Lease Number: G19386	Source of Paleo: OPERATOR	Borehole MD: 16844
Well Name: AC001	Paleo Done By: OPERATOR	Borehole TVD: 15744
API Well Number: 608054003600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11785 - 15150	Water Depth: 8694
Public Info Code: Y 15-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12160 /12159	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 5
12210 /12209	DEF AT - - - - -	DEF IN 4
12240 /12239	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 4
12270 /12269	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 4
12298 /12297	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF IN 4
12299 /12298	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF IN 4
12300 /12299	DEF AT Middle Eocene (Lutetian) Neococcolithes dubius	DEF IN 4
12359 /12357	DEF AT Upper Oligocene	DEF IN 4
12360 /12358	DEF AT local marker floral decrease	DEF IN 4
12540 /12538	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN 4
12570 /12568	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF IN 4
13619 /13516	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 4
13620 /13517	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF IN 4
13800 /13649	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF IN 4
14460 /14105	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 4
15150 /14578	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF IN 4
15420 /14764	DEF AT Bathysiphon fauna	DEF IN 4
15960 /15136	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT 4
16020 /15177	POS AT Lower Paleocene (Danian) Markalius inversus astroporus	DEF IN 4
16844 /15745	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 739	Date of Summary: 26-JAN-2005	First Sample Examined: 10500
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 19725
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19537
API Well Number: 608054002800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10500 - 19724	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Diamondback Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10498	DEF AT first sample examined	DEF AT
10501 /10499	DEF IN salt	DEF AT
11650 /11648	POS IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
11699 /11697	DEF AT salt	DEF AT
11700 /11698	DEF AT local marker floral decrease	DEF AT
11900 /11897	DEF IN Lower Oligocene	DEF AT
12019 /12015	DEF AT salt	DEF AT
12020 /12016	DEF AT local marker floral decrease	DEF AT
13230 /13205	POS IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
13290 /13263	DEF AT salt	DEF AT
13320 /13293	DEF AT local marker floral decrease	DEF AT
13350 /13322	DEF AT salt	DEF AT
14170 /14122	DEF AT local marker floral decrease	DEF AT
14200 /14151	DEF AT salt	DEF AT
14800 /14737	DEF AT local marker floral decrease	DEF AT
14860 /14796	DEF AT salt	DEF AT
15860 /15771	DEF AT local marker floral decrease	DEF AT
16210 /16111	DEF AT salt	DEF AT
16270 /16170	DEF AT local marker floral decrease	DEF AT
16540 /16432	DEF AT salt	DEF AT
16898 /16781	DEF AT out-of-place section	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 739	Date of Summary: 26-JAN-2005	First Sample Examined: 10500
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 19725
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19537
API Well Number: 608054002800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10500 - 19724	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16899 /16782	DEF AT local marker floral increase	DEF AT 6
16900 /16783	DEF IN Lower Oligocene	DEF AT 6
16928 /16810	DEF AT base of salt	DEF AT 6
16929 /16811	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT 6
16930 /16812	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 6
17140 /17017	DEF AT local marker planktic foram increase	DEF AT 6
17170 /17046	DEF AT local marker floral increase	DEF AT 6
17290 /17163	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT 6
17349 /17220	DEF AT local marker planktic foram increase	DEF AT 6
17350 /17221	POS IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
17410 /17279	DEF AT local marker planktic foram increase	DEF AT 6
17740 /17601	POS IN Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
17799 /17658	DEF AT local marker planktic foram increase	DEF AT 6
17800 /17659	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 6
17890 /17747	DEF AT local marker planktic foram increase	DEF AT 6
17920 /17777	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT 6
18040 /17894	DEF AT local marker planktic foram increase	DEF AT 6
18099 /17951	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 6
18100 /17952	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT 6
18130 /17981	DEF AT Lower Oligocene (Rupelian) Calcidiscus reticulata	DEF AT 6
18310 /18157	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 6
18400 /18245	DEF AT local marker planktic foram increase	DEF AT 6
18460 /18303	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT 6
18730 /18567	DEF AT reworked material	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 739	<b>Date of Summary:</b> 26-JAN-2005	<b>First Sample Examined:</b> 10500
<b>Lease Number:</b> G19390	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19725
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19537
<b>API Well Number:</b> 608054002800	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10500 - 19724	<b>Water Depth:</b> 6857
<b>Public Info Code:</b> Y 27-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18759 /18595	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 6
18760 /18596	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6
18820 /18655	DEF AT local marker planktic foram increase	DEF IN 6
18879 /18712	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF IN 6
18880 /18713	DEF AT local marker planktic foram increase	DEF IN 6
19030 /18859	DEF AT reworked material	DEF IN 6
19060 /18889	DEF AT local marker planktic foram increase	DEF IN 6
19119 /18946	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF IN 6
19120 /18947	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
19269 /19093	DEF AT Middle Eocene (Bartonian) Micrantholithus procerus	DEF IN 6
19270 /19094	DEF AT local marker planktic foram increase	DEF IN 6
19299 /19122	POS AT reworked material	DEF IN 6
19300 /19123	POS AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 6
19360 /19182	POS AT Arenaceous fauna (local marker)	DEF IN 6
19420 /19240	DEF AT local marker floral increase	DEF IN 6
19540 /19357	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 6
19570 /19386	POS AT Arenaceous fauna (local marker)	DEF IN 6
19605 /19420	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 6
19608 /19423	POS AT reworked material	DEF IN 6
19609 /19424	POS AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 6
19610 /19425	DEF AT local marker planktic foram increase	DEF IN 6
19620 /19435	DEF AT reworked material	DEF IN 6
19680 /19494	DEF AT reworked material	DEF IN 6
19724 /19537	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 739	Date of Summary: 02-MAY-2005	First Sample Examined: 16930
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 23847
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23552
API Well Number: 608054002801	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 16930 - 23807	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Diamondback Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16930 /16817	DEF AT first sample examined	DEF AT
16931 /16818	DEF IN Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
17290 /17169	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
17920 /17784	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT
18040 /17901	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
18310 /18164	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
18460 /18310	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
18629 /18475	DEF AT Upper Eocene (Priabonian) Chiasmolithus consuetus	DEF IN 6
18730 /18572	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6
18760 /18601	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 6
18850 /18688	DEF AT local marker planktic foram increase	DEF IN 6
18999 /18832	POS AT Middle Eocene (Bartonian) Pemma papillatum	DEF IN 6
19000 /18833	POS AT Middle Eocene (Bartonian) Sphenolithus radians	DEF IN 6
19120 /18949	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF IN 6
19240 /19064	DEF AT local marker planktic foram increase	DEF IN 6
19450 /19266	POS AT Arenaceous fauna (local marker)	DEF IN 6
19548 /19360	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 6
19603 /19413	POS AT local marker planktic foram increase	DEF IN 6
19751 /19556	DEF AT Arenaceous fauna (local marker)	DEF IN 6
19778 /19583	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF IN 6
19779 /19584	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 739  
Lease Number: G19390  
Well Name: 001  
API Well Number: 608054002801  
Paleo Report Num: 1 of 1  
Public Info Code: Y 27-OCT-2005

Date of Summary: 02-MAY-2005  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 16930 - 23807  
Ecozone Eq MMS: Y

First Sample Examined: 16930  
Borehole MD: 23847  
Borehole TVD: 23552  
Rkb Elevation: 88  
Water Depth: 6857  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19780 /19584	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 6
19781 /19585	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 6
19810 /19613	DEF AT Middle Eocene (Bartonian) Birkelundia staurion	DEF IN 6
19811 /19614	POS AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 6
19841 /19643	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
19901 /19701	DEF AT local marker planktic foram increase	DEF IN 6
19977 /19775	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF IN 6
19978 /19776	DEF AT local marker planktic foram increase	DEF IN 6
19991 /19788	DEF AT radiolarians	DEF IN 6
20017 /19813	DEF AT radiolarians	DEF IN 6
20018 /19814	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF IN 6
20019 /19815	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF IN 6
20020 /19816	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN 6
20021 /19817	POS AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF IN 6
20050 /19845	DEF AT radiolarians	DEF IN 6
20051 /19846	POS AT Arenaceous fauna (local marker)	DEF IN 6
20171 /19962	POS AT Lower Eocene (Ypresian) Morozovella quetra	DEF IN 6
20200 /19990	POS AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF IN 6
20201 /19991	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF IN 6
20230 /20019	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF IN 6
20231 /20020	POS AT Arenaceous fauna (local marker)	DEF IN 6
20288 /20075	DEF AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF IN 6
20289 /20076	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 6
20290 /20077	POS AT Bathysiphon fauna	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 739	Date of Summary: 02-MAY-2005	First Sample Examined: 16930
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 23847
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23552
API Well Number: 608054002801	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 16930 - 23807	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20291 /20078	POS AT Arenaceous fauna (local marker)	DEF IN 6
20311 /20097	DEF AT cement	DEF IN 6
20390 /20174	POS AT local marker planktic foram increase	DEF IN 6
20410 /20193	DEF AT local marker floral increase	DEF IN 6
20429 /20211	POS AT local marker planktic foram increase	DEF IN 6
20438 /20220	DEF AT local marker foram decrease	DEF IN 6
20439 /20221	DEF AT radiolarians	DEF IN 6
20460 /20241	DEF AT Bathysiphon fauna	DEF IN 6
20500 /20280	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF IN 6
20650 /20425	POS AT local marker planktic foram increase	DEF IN 6
20698 /20471	DEF AT radiolarians	DEF IN 6
20739 /20511	DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF IN 6
20740 /20512	DEF AT Arenaceous fauna (local marker)	DEF IN 6
20800 /20570	DEF AT Bathysiphon fauna	DEF IN 6
21159 /20917	POS AT local marker floral increase	DEF IN 6
21160 /20917	POS AT Arenaceous fauna (local marker)	DEF IN 6
21280 /21034	POS AT Arenaceous fauna (local marker)	DEF IN 6
21910 /21648	POS AT Arenaceous fauna (local marker)	DEF IN 6
22180 /21912	POS AT local marker foram increase	DEF IN 6
22780 /22499	POS AT local marker planktic foram increase	DEF IN 6
22840 /22558	DEF AT Bathysiphon fauna	DEF IN 6
23020 /22735	DEF AT Bathysiphon fauna	DEF IN 6
23230 /22942	POS AT local marker foram increase	DEF IN 6
23320 /23031	POS AT Arenaceous fauna (local marker)	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 739	<b>Date of Summary:</b> 02-MAY-2005	<b>First Sample Examined:</b> 16930
<b>Lease Number:</b> G19390	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23847
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23552
<b>API Well Number:</b> 608054002801	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16930 - 23807	<b>Water Depth:</b> 6857
<b>Public Info Code:</b> Y 27-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23335 /23046	DEF AT Bathysiphon fauna	DEF IN 6
23410 /23120	POS AT local marker foram increase	DEF IN 6
23449 /23158	POS AT Arenaceous fauna (local marker)	DEF IN 6
23650 /23357	DEF AT Arenaceous fauna (local marker)	DEF IN 6
23708 /23415	DEF AT reworked material	DEF IN 6
23709 /23416	DEF AT local marker planktic foram increase	DEF IN 6
23710 /23417	POS AT Upper Paleocene (Thanetian) Morozovella angulata	DEF IN 6
23807 /23513	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 810	<b>Date of Summary:</b> 01-OCT-2011	<b>First Sample Examined:</b> 8732
<b>Lease Number:</b> G31199	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12535
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12129
<b>API Well Number:</b> 608054007200	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8732 - 12535	<b>Water Depth:</b> 7070
<b>Public Info Code:</b> Y 28-FEB-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Cobra Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8732 / 8732	DEF AT first sample examined	DEF AT
8759 / 8759	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
8760 / 8760	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
8789 / 8789	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
8790 / 8790	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
8940 / 8940	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
8998 / 8998	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
8999 / 8999	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT
9000 / 9000	POS AT Upper Paleocene (Thanetian) Ellipsolithus distichus	DEF AT
9060 / 9060	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
9150 / 9150	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
9540 / 9540	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
10600 /10583	DEF IN Upper Paleocene Thanetian Stage	DEF AT
10900 /10857	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
12410 /12045	DEF IN Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
12535 /12130	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 810	Date of Summary: 01-OCT-2011	First Sample Examined: 8732
Lease Number: G31199	Source of Paleo: OPERATOR	Borehole MD: 12535
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12129
API Well Number: 608054007200	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 8732 - 12535	Water Depth: 7070
Public Info Code: Y 28-FEB-2016	Ecozone Eq MMS:	Paleo ID: 002

Remark: Cobra Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8732 / 8732	DEF AT first sample examined	DEF AT
8733 / 8733	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
8759 / 8759	DEF AT foram flood	DEF AT
8760 / 8760	DEF AT local marker planktic foram increase	DEF AT
8820 / 8820	DEF AT reworked material	DEF AT
8880 / 8880	DEF AT pyrite	DEF AT
8970 / 8970	DEF AT radiolarians	DEF AT
9120 / 9120	DEF AT drilling material	DEF AT
9150 / 9150	POS IN Miocene	DEF AT
9210 / 9210	DEF AT radiolarians	DEF AT
9240 / 9240	POS AT reworked material	DEF AT
9330 / 9330	DEF AT radiolarians	DEF AT
9630 / 9630	DEF AT drilling material	DEF AT
9850 / 9850	POS AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT
10089 /10088	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT
10090 /10089	DEF AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF AT
11409 /11277	DEF AT local white Arenaceous fauna	DEF AT
11410 /11278	POS AT Bathysiphon fauna	DEF AT
11500 /11349	DEF AT pyrite	DEF AT
11679 /11490	DEF AT local white Arenaceous fauna	DEF AT
11680 /11490	DEF AT Bathysiphon fauna	DEF AT
11800 /11585	DEF AT Bathysiphon fauna	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 810	<b>Date of Summary:</b> 01-OCT-2011	<b>First Sample Examined:</b> 8732
<b>Lease Number:</b> G31199	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12535
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 12129
<b>API Well Number:</b> 608054007200	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8732 - 12535	<b>Water Depth:</b> 7070
<b>Public Info Code:</b> Y 28-FEB-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11872 /11642	DEF AT cement	DEF AT
12500 /12106	POS AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
12535 /12130	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 813	Date of Summary: 13-JAN-2003	First Sample Examined: 10290
Lease Number: G17561	Source of Paleo: OPERATOR	Borehole MD: 15180
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15035
API Well Number: 608054002200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 10290 - 15180	Water Depth: 8070
Public Info Code: Y 11-JAN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10290 /10255	DEF AT first sample examined	DEF IN 4
10291 /10256	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 4
10300 /10265	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
10450 /10410	DEF AT pyrite	DEF IN 4
10510 /10469	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
10540 /10498	POS AT sequence boundary	DEF IN 4
10600 /10556	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
10765 /10717	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
10780 /10732	DEF AT local marker (general)	DEF IN 4
10930 /10878	POS AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF IN 4
10990 /10937	POS AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF IN 4
11230 /11172	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
11950 /11880	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 4
12580 /12498	POS AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 4
12790 /12704	DEF AT - - - - -	POS IN 4
12880 /12792	DEF AT local marker foram increase	POS IN 4
13390 /13293	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 4
13450 /13352	DEF AT - - - - -	POS IN 4
13480 /13382	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 4
13510 /13411	DEF AT reworked material	DEF IN 4
13750 /13647	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 4
13840 /13735	DEF AT foram flood	DEF IN 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 813  
Lease Number: G17561  
Well Name: 001  
API Well Number: 608054002200  
Paleo Report Num: 1 of 2  
Public Info Code: Y 11-JAN-2013

Date of Summary: 13-JAN-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 10290 - 15180  
Ecozone Eq MMS: Y

First Sample Examined: 10290  
Borehole MD: 15180  
Borehole TVD: 15035  
Rkb Elevation: 75  
Water Depth: 8070  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13870 /13764	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 4
14000 /13892	DEF AT - - - - -	DEF IN 4
14020 /13912	DEF AT pyrite	DEF IN 4
14110 /14000	POS IN Middle Eocene (Bartonian) Morozovella lehneri	DEF IN 4
14230 /14118	DEF AT transported outer shelf facies	DEF AT 3
14320 /14206	DEF AT - - - - -	DEF IN 4
14470 /14353	DEF IN Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 4
14590 /14470	DEF AT turbid water facies	DEF AT
14620 /14499	DEF AT local marker planktic foram increase	DEF AT
14680 /14557	DEF AT pyrite	DEF AT
14830 /14702	DEF AT turbid water facies	DEF AT
14890 /14760	DEF AT local marker planktic foram increase	DEF AT
14906 /14775	DEF AT limestone	DEF AT
14907 /14776	DEF AT local marker planktic foram increase	DEF AT
15180 /15035	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 813	Date of Summary: 12-MAY-2003	First Sample Examined: 10290
Lease Number: G17561	Source of Paleo: OPERATOR	Borehole MD: 15180
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15035
API Well Number: 608054002200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 10290 - 14890	Water Depth: 8070
Public Info Code: Y 11-JAN-2013	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, 11560=top of hollow spines, 11620=possible top of Umbilicosphaera brite collar , 14170=top of Middle Eocene (Lutetian) Rhabdosphaera gladius, 14620=possible top of Campylosphaera eodela, 14740=possible Tribrachiatus bramlettei

MD / TVD	Paleo Top Description	Ecozone
10290 /10255	DEF AT first sample examined	DEF AT
10420 /10381	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
10510 /10469	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
10540 /10498	DEF AT local marker floral increase	DEF AT
10600 /10556	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
10720 /10673	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
10840 /10790	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
11020 /10966	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
11080 /11025	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
11230 /11172	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
11350 /11290	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
11380 /11319	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
11560 /11496	DEF AT floral flood	DEF AT
11620 /11555	DEF AT local marker floral increase	DEF AT
11650 /11584	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
13690 /13588	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
13900 /13794	POS AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
14140 /14029	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
14170 /14059	POS IN Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
14230 /14118	POS AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
14500 /14382	DEF AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 813	<b>Date of Summary:</b> 12-MAY-2003	<b>First Sample Examined:</b> 10290
<b>Lease Number:</b> G17561	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15180
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15035
<b>API Well Number:</b> 608054002200	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10290 - 14890	<b>Water Depth:</b> 8070
<b>Public Info Code:</b> Y 11-JAN-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14590 /14470	POS AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
14620 /14499	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
14650 /14528	DEF AT reworked material	DEF AT
14740 /14615	POS AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
14890 /14760	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 815	Date of Summary: 15-SEP-2004	First Sample Examined: 11720
Lease Number: G19409	Source of Paleo: OPERATOR	Borehole MD: 14778
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14778
API Well Number: 608054003000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 11720 - 14778	Water Depth: 9217
Public Info Code: Y 01-NOV-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Silvertip Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11720 /11720	DEF AT first sample examined	DEF AT 5
11721 /11721	DEF IN Upper Miocene (Tortonian) Reophax davepopei	DEF AT 5
11750 /11750	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11840 /11840	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF AT 5
11960 /11960	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
11990 /11990	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
12020 /12020	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
12050 /12050	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
12140 /12140	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
12169 /12169	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
12170 /12170	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
12200 /12200	DEF AT pyrite	DEF AT 5
12230 /12230	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
12350 /12350	DEF AT local marker foram increase	DEF AT 5
12410 /12410	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
12439 /12439	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
12440 /12440	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
12470 /12470	DEF IN Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
12499 /12499	DEF AT limestone	DEF AT 5
12500 /12500	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
12559 /12559	DEF AT volcanics	DEF AT 5
12560 /12560	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 815	Date of Summary: 15-SEP-2004	First Sample Examined: 11720
Lease Number: G19409	Source of Paleo: OPERATOR	Borehole MD: 14778
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14778
API Well Number: 608054003000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 11720 - 14778	Water Depth: 9217
Public Info Code: Y 01-NOV-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12590 /12590	DEF AT limestone	DEF AT 5
12620 /12620	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
12650 /12650	DEF AT volcanics	DEF AT 5
12685 /12685	DEF AT local marker foram increase	DEF AT 5
12710 /12710	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
12768 /12768	DEF AT local marker foram decrease	DEF AT 5
12800 /12800	DEF AT local marker foram increase	DEF AT 5
12950 /12950	DEF AT foram flood	DEF AT 5
12979 /12979	DEF AT pyrite	DEF AT 5
12980 /12980	DEF AT local marker foram decrease	DEF AT 5
13010 /13010	DEF AT radiolarians	DEF AT 5
13070 /13070	DEF AT local marker planktic foram increase	DEF AT 5
13189 /13189	DEF AT local marker foram decrease	DEF AT 5
13190 /13190	POS AT Arenaceous fauna (local marker)	DEF AT 5
13280 /13280	DEF AT reworked material	DEF AT 5
13410 /13410	DEF AT radiolarians	DEF AT 5
13460 /13460	POS AT local marker planktic foram increase	DEF AT 5
13550 /13550	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 5
13700 /13700	DEF AT local marker planktic foram increase	DEF AT 5
13730 /13730	DEF AT foram flood	DEF AT 5
13819 /13819	DEF AT gray shale	DEF AT 5
13820 /13820	DEF AT foram flood	DEF AT 5
13880 /13880	DEF AT pyrite	DEF AT 5
13999 /13999	DEF AT gray shale	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 815  
Lease Number: G19409  
Well Name: 001  
API Well Number: 608054003000  
Paleo Report Num: 1 of 2  
Public Info Code: Y 01-NOV-2014

Date of Summary: 15-SEP-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 11720 - 14778  
Ecozone Eq MMS: Y

First Sample Examined: 11720  
Borehole MD: 14778  
Borehole TVD: 14778  
Rkb Elevation: 92  
Water Depth: 9217  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14000 /14000	DEF AT local marker planktic foram increase	DEF AT 5
14030 /14030	DEF AT local marker foram decrease	DEF AT 5
14240 /14240	DEF AT volcanics	DEF AT 5
14720 /14720	DEF AT local marker foram decrease	DEF AT 5
14750 /14750	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
14778 /14778	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 815	Date of Summary: 20-SEP-2004	First Sample Examined: 11720
Lease Number: G19409	Source of Paleo: OPERATOR	Borehole MD: 14778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14778
API Well Number: 608054003000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 11720 - 14778	Water Depth: 9217
Public Info Code: Y 01-NOV-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Silvertip Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11720 /11720	DEF AT first sample examined	DEF AT
11721 /11721	DEF IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11730 /11730	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11750 /11750	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
11810 /11810	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11840 /11840	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11870 /11870	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11930 /11930	DEF AT local marker floral decrease	DEF AT
11960 /11960	DEF AT floral flood	DEF AT
11990 /11990	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12020 /12020	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12050 /12050	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12080 /12080	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12140 /12140	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
12290 /12290	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
12380 /12380	POS AT Lower Miocene (Burdigalian) Discoaster trinidadensis (increase)	DEF AT
12410 /12410	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
12440 /12440	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
12530 /12530	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
12710 /12710	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
12740 /12740	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
12768 /12768	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 815	Date of Summary: 20-SEP-2004	First Sample Examined: 11720
Lease Number: G19409	Source of Paleo: OPERATOR	Borehole MD: 14778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14778
API Well Number: 608054003000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 11720 - 14778	Water Depth: 9217
Public Info Code: Y 01-NOV-2014	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12860 /12860	DEF AT local marker floral increase	DEF AT
12890 /12890	DEF AT local marker floral decrease	DEF AT
12950 /12950	DEF AT local marker floral increase	DEF AT
12980 /12980	DEF AT reworked material	DEF AT
13010 /13010	DEF AT local marker floral decrease	DEF AT
13220 /13220	DEF AT local marker floral decrease	DEF AT
13250 /13250	DEF AT reworked material	DEF AT
13400 /13400	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
13460 /13460	DEF AT local marker floral increase	DEF AT
13520 /13520	DEF AT local marker floral decrease	DEF AT
13640 /13640	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
13700 /13700	DEF AT floral flood	DEF AT
13910 /13910	DEF AT Lower Oligocene (Rupelian) Markalius inversus	DEF AT
13940 /13940	DEF IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
14030 /14030	DEF AT local marker floral decrease	DEF AT
14540 /14540	DEF AT local marker floral increase	DEF AT
14550 /14550	DEF AT local marker floral decrease	DEF AT
14638 /14638	DEF AT local marker floral increase	DEF AT
14660 /14660	DEF AT floral flood	DEF AT
14778 /14778	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 818	Date of Summary: 19-JAN-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 3	Sample Range: 10350 - 15060	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tiger Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10350 /10350	DEF AT first sample examined	DEF AT
10351 /10351	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
10360 /10360	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10380 /10380	DEF AT floral flood	DEF AT
10440 /10440	DEF AT reworked material	DEF AT
10470 /10470	DEF AT local marker floral decrease	DEF AT
10530 /10530	DEF AT floral flood	DEF AT
10538 /10538	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
10560 /10560	DEF IN Lower Oligocene Rupelian Stage	DEF AT
10590 /10590	DEF AT reworked material	DEF AT
10609 /10609	DEF AT local marker floral decrease	DEF AT
10650 /10650	DEF AT floral flood	DEF AT
11100 /11100	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
11580 /11579	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
11790 /11787	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
11850 /11846	DEF IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
12180 /12175	DEF AT local marker floral decrease	DEF AT
12210 /12205	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
12240 /12234	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
12359 /12353	DEF AT local marker floral decrease	DEF AT
12360 /12354	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
12390 /12384	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 818	Date of Summary: 19-JAN-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 3	Sample Range: 10350 - 15060	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12540 /12533	DEF AT local marker floral decrease	DEF AT
12630 /12623	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
12720 /12712	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
12770 /12762	DEF AT local marker floral decrease	DEF AT
12800 /12792	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
12859 /12850	DEF AT Upper Paleocene (Thanetian) Ellipsolithus distichus	DEF AT
12860 /12851	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
12990 /12980	DEF AT local marker floral decrease	DEF AT
13770 /13756	POS AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
13830 /13816	DEF AT local marker floral decrease	DEF AT
14130 /14115	POS AT local marker floral increase	DEF AT
14190 /14175	DEF AT local marker floral decrease	DEF AT
14580 /14563	POS AT local marker floral increase	DEF AT
14610 /14593	DEF AT local marker floral decrease	DEF AT
14730 /14713	POS AT local marker floral increase	DEF AT
14760 /14742	DEF AT local marker floral decrease	DEF AT
15030 /15012	POS AT local marker floral increase	DEF AT
15060 /15042	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 818	<b>Date of Summary:</b> 01-FEB-2004	<b>First Sample Examined:</b> 10350
<b>Lease Number:</b> G20863	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15231
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15212
<b>API Well Number:</b> 608054002500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 10350 - 15120	<b>Water Depth:</b> 9004
<b>Public Info Code:</b> Y 31-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Tiger Prospect, Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10350 /10350	DEF AT first sample examined	DEF AT 5
10351 /10351	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10379 /10379	DEF AT foram flood	DEF IN 5
10380 /10380	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
10409 /10409	DEF AT foram flood	DEF IN 5
10410 /10410	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
10469 /10469	DEF AT glauconite	DEF AT 5
10470 /10470	DEF AT local marker foram decrease	DEF AT 5
10530 /10530	DEF AT local marker foram increase	DEF AT 4
10560 /10560	DEF AT reworked material	DEF AT 4
10620 /10620	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10650 /10650	DEF AT local marker planktic foram increase	DEF AT 5
10680 /10680	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10710 /10710	DEF AT local marker foram decrease	DEF AT 5
10770 /10770	POS AT volcanics	DEF AT 5
10800 /10800	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
10889 /10889	DEF AT pyrite	DEF AT 4
10890 /10890	DEF IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 4
10920 /10920	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 4
11130 /11130	DEF AT limestone	DEF AT 4
11160 /11160	DEF AT local marker benthic foram increase	DEF AT 4
11190 /11190	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 818	Date of Summary: 01-FEB-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 10350 - 15120	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11280 /11280	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 4
11580 /11579	DEF AT local marker planktic foram increase	DEF AT 4
11610 /11609	DEF AT local marker foram decrease	DEF AT 4
11670 /11668	DEF IN reworked material	DEF AT 4
11760 /11757	DEF AT transported shelf fauna	DEF AT 4
11790 /11787	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4
11939 /11935	DEF AT pyrite	DEF AT 4
11940 /11936	DEF IN Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 4
11969 /11965	DEF AT radiolarians	DEF AT 4
11970 /11966	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 4
11999 /11995	DEF AT radiolarians	DEF AT 5
12000 /11996	POS IN Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
12090 /12085	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
12119 /12114	DEF AT pyrite	DEF AT 5
12120 /12115	DEF AT radiolarians	DEF AT 5
12180 /12175	DEF AT local white Arenaceous fauna	DEF AT 5
12239 /12233	DEF IN Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 5
12240 /12234	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
12241 /12235	DEF IN Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 5
12300 /12294	DEF AT radiolarians	DEF AT 6
12360 /12354	DEF AT - - - - -	DEF IN 6
12420 /12414	POS AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF IN 6
12510 /12503	DEF IN radiolarians	DEF IN 6
12629 /12622	DEF IN radiolarians	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 818	Date of Summary: 01-FEB-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 10350 - 15120	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12630 /12623	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN 6
12690 /12682	DEF AT local marker foram decrease	DEF AT 5
12770 /12762	DEF AT Bathysiphon fauna	DEF AT 5
12860 /12851	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 4
12890 /12881	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 4
13020 /13010	DEF AT pyrite	DEF AT 4
13140 /13129	POS AT Arenaceous fauna (local marker)	DEF AT 4
13170 /13159	POS AT radiolarians	DEF AT 4
13260 /13249	DEF AT local white Arenaceous fauna	DEF AT 4
13320 /13309	DEF AT radiolarians	DEF AT 4
13530 /13517	DEF AT local white Arenaceous fauna	DEF AT 4
13590 /13577	DEF AT local marker foram decrease	DEF AT 4
13769 /13755	POS IN Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 4
13770 /13756	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 4
13800 /13786	DEF IN Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 4
13830 /13816	DEF AT local marker foram decrease	DEF AT 4
13890 /13876	DEF AT radiolarians	DEF AT 4
14070 /14055	DEF AT local marker foram decrease	DEF AT 4
14580 /14563	POS AT local marker planktic foram increase	DEF AT 4
14610 /14593	DEF AT local marker foram decrease	DEF AT 4
15120 /15101	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 818	<b>Date of Summary:</b> 01-OCT-2004	<b>First Sample Examined:</b> 12690
<b>Lease Number:</b> G20863	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15231
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15212
<b>API Well Number:</b> 608054002500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 12690 - 15120	<b>Water Depth:</b> 9004
<b>Public Info Code:</b> Y 31-OCT-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Tiger Prospect, palynologic report, palynomorph (terrestrial spores and pollen, marine dinoflagellates) species abundance and diversity chart and matrix available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12690 /12682	DEF AT first sample examined	DEF AT
12691 /12683	DEF IN Lower (Early) Eocene	DEF AT
12692 /12684	POS IN Lower Eocene (Ypresian) Intratriporopollenites 1 (pollen)	DEF AT
12930 /12921	DEF AT Upper (Late) Paleocene	DEF AT
15120 /15101	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 856	Date of Summary: 07-JUN-2006	First Sample Examined: 10080
Lease Number: G20870	Source of Paleo: OPERATOR	Borehole MD: 14600
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 14600
API Well Number: 608054003200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 10080 - 14600	Water Depth: 7613
Public Info Code: Y 20-MAY-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Great White West Prospect, consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity charts available, paleoecology is problematic, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10080 /10080	DEF AT first sample examined	DEF AT 5
10081 /10081	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10100 /10100	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
10230 /10230	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
10440 /10440	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
10650 /10650	DEF AT -----	DEF AT 4
10800 /10800	DEF AT -----	DEF AT 5
10980 /10980	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
11250 /11250	DEF AT reworked material	DEF AT 5
11520 /11520	DEF AT -----	DEF AT 4
11790 /11790	DEF AT -----	DEF AT 5
11880 /11880	DEF AT local marker foram decrease	POS AT 5
11910 /11910	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT 5
11940 /11940	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
12000 /12000	DEF AT -----	DEF AT 4
12030 /12030	DEF AT -----	DEF AT 5
12090 /12090	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
12210 /12210	DEF AT local marker deep water fauna	DEF AT 5
12240 /12240	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT 5
12480 /12480	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
12600 /12600	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 856	Date of Summary: 07-JUN-2006	First Sample Examined: 10080
Lease Number: G20870	Source of Paleo: OPERATOR	Borehole MD: 14600
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 14600
API Well Number: 608054003200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 10080 - 14600	Water Depth: 7613
Public Info Code: Y 20-MAY-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12780 /12780	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
12810 /12810	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
12900 /12900	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
13228 /13228	DEF AT condensed section	DEF AT 5
13229 /13229	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
13230 /13230	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
13410 /13410	DEF AT Lower Eocene (Ypresian) Chiasmolithus californicus	DEF AT 5
13440 /13440	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
13620 /13620	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 5
13680 /13680	DEF AT radiolarians	DEF AT 5
13800 /13800	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
13920 /13920	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 5
14100 /14100	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
14130 /14130	DEF AT local marker foram decrease	POS AT 5
14220 /14220	DEF IN Lower Eocene (Ypresian) Tribrahiatus contortus	POS AT 5
14250 /14250	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14280 /14280	DEF AT -----	DEF AT 5
14310 /14310	DEF AT -----	DEF AT 4
14340 /14340	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14430 /14430	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14520 /14520	DEF AT -----	DEF AT 5
14600 /14600	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 856	Date of Summary: 29-AUG-2006	First Sample Examined: 10590
Lease Number: G20870	Source of Paleo: OPERATOR	Borehole MD: 15625
Well Name: SS002	Paleo Done By: OPERATOR	Borehole TVD: 15624
API Well Number: 608054003300	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 10590 - 15625	Water Depth: 7815
Public Info Code: Y 30-JUN-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Great White West Prospect, consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity chart available, paleoecology is problematic, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10590 /10590	DEF AT first sample examined	POS AT 5
10950 /10950	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	POS AT 5
10980 /10980	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	POS AT 5
11160 /11160	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	POS AT 5
11460 /11460	DEF AT -----	POS AT 4
11970 /11970	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	POS AT 5
12060 /12060	DEF AT -----	POS AT 4
12150 /12150	DEF AT reworked material	POS AT 4
12840 /12840	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	POS AT 4
12900 /12900	DEF IN Lower Oligocene (Rupelian) Lanternithus minutus	POS AT 4
13080 /13080	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	POS AT 4
13230 /13230	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	POS AT 4
13290 /13290	DEF AT -----	POS AT 5
13500 /13499	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	POS AT 4
13710 /13709	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	POS AT 5
13740 /13739	DEF AT -----	POS AT 4
13950 /13949	DEF AT -----	POS AT 5
13980 /13979	DEF AT -----	POS AT 4
14040 /14039	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	POS AT 4
14130 /14129	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	POS AT 4
14310 /14309	DEF AT -----	POS AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 856	Date of Summary: 29-AUG-2006	First Sample Examined: 10590
Lease Number: G20870	Source of Paleo: OPERATOR	Borehole MD: 15625
Well Name: SS002	Paleo Done By: OPERATOR	Borehole TVD: 15624
API Well Number: 608054003300	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 10590 - 15625	Water Depth: 7815
Public Info Code: Y 30-JUN-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14370 /14369	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	POS AT 5
14400 /14399	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	POS AT 5
14430 /14429	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	POS AT 5
14460 /14459	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	POS AT 5
14609 /14608	DEF AT radiolarians	POS AT 5
14610 /14609	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	POS AT 5
14670 /14669	DEF AT radiolarians	POS AT 5
14728 /14727	DEF AT local marker floral decrease	POS AT 5
14729 /14728	DEF AT local marker foram decrease	POS AT 5
14730 /14729	POS IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	POS AT 5
14940 /14939	POS AT Lower Eocene (Ypresian) Morozovella acuta	POS AT 5
15209 /15208	DEF AT Arenaceous fauna (local marker)	POS AT 5
15210 /15209	DEF IN Lower Eocene (Ypresian) Discoaster multiradiatus	POS AT 5
15330 /15329	DEF AT Arenaceous fauna (local marker)	POS AT 5
15480 /15479	DEF AT Arenaceous fauna (local marker)	POS AT 5
15625 /15624	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 857	<b>Date of Summary:</b> 27-APR-2002	<b>First Sample Examined:</b> 10090
<b>Lease Number:</b> G17565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14408
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14405
<b>API Well Number:</b> 608054001800	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10090 - 14401	<b>Water Depth:</b> 8009
<b>Public Info Code:</b> Y 10-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Great White Prospect, 11580=Chilostomella local fauna

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10090 /10090	DEF AT first sample examined	DEF IN 5
10110 /10110	DEF IN Middle Miocene	DEF IN 5
10111 /10111	DEF AT local marker planktic foram increase	DEF IN 5
10140 /10140	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
10500 /10500	DEF AT reworked material	POS AT 5
10590 /10590	POS AT volcanics	POS AT 5
10740 /10740	DEF AT reworked material	POS AT 5
10820 /10820	DEF AT faunal change (no faunal increase)	DEF IN 5
10830 /10830	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 5
11010 /11010	DEF AT local marker planktic foram increase	DEF IN 5
11370 /11370	DEF AT local marker planktic foram increase	DEF IN 5
11460 /11460	DEF AT local marker (general)	DEF IN 5
11580 /11580	DEF AT local marker (general)	DEF IN 5
11820 /11820	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
11940 /11940	DEF AT local marker (general)	DEF IN 5
12090 /12090	DEF AT local marker deep water fauna	DEF IN 5
12120 /12120	POS AT volcanics	DEF IN 5
12300 /12300	DEF AT local marker (general)	DEF IN 5
12450 /12450	DEF AT local marker (general)	DEF IN 5
12630 /12630	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 5
12780 /12779	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 5
12839 /12838	DEF AT pyrite	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 857	<b>Date of Summary:</b> 27-APR-2002	<b>First Sample Examined:</b> 10090
<b>Lease Number:</b> G17565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14408
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14405
<b>API Well Number:</b> 608054001800	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10090 - 14401	<b>Water Depth:</b> 8009
<b>Public Info Code:</b> Y 10-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12840 /12839	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 5
12900 /12899	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
13020 /13019	DEF AT pyrite	DEF IN 5
13110 /13109	POS IN Middle Eocene (Bartonian) Morozovella lehneri	DEF IN 5
13200 /13199	DEF AT transported outer shelf facies	DEF AT
13290 /13289	DEF AT transported outer shelf facies	DEF AT
13550 /13548	DEF AT limestone	DEF AT
13580 /13578	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT
13610 /13608	DEF AT radiolarians	DEF AT
13820 /13818	POS AT drilling material	DEF AT
14401 /14398	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 857	Date of Summary: 01-MAY-2002	First Sample Examined: 10090
Lease Number: G17565	Source of Paleo: OPERATOR	Borehole MD: 14408
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 14405
API Well Number: 608054001800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 10090 - 14401	Water Depth: 8009
Public Info Code: Y 10-MAY-2012	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Great White Prospect, calcareous nannofossil report based on sidewall cores, 12780=CP15 zone, 12900=in CP14 zone, at the base of Helicosphaera rhomba (euphratis), 13050=in CP14 zone, at the base of Dictyococcites bisectus, 13640=Lower Eocene Upper CP10 zone, 13730=in Lower Eocene, possible CP9A zone, 13744=Discoaster mediusus and Camp eodela, 13930=in CP9 zone, at Tribrahiatus bramlettei

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10090 /10090	DEF AT first sample examined	DEF AT
10091 /10091	DEF AT out-of-place section	DEF AT
11940 /11940	DEF IN Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
12450 /12450	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
12780 /12779	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
12781 /12780	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
12900 /12899	DEF AT local marker nannofossil (see remarks)	DEF AT
13050 /13049	DEF AT local marker nannofossil (see remarks)	DEF AT
13110 /13109	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
13530 /13528	DEF AT local marker floral increase	DEF AT
13640 /13638	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
13658 /13656	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
13730 /13728	DEF AT Lower (Early) Eocene	DEF AT
13744 /13742	DEF AT local marker nannofossil (see remarks)	DEF AT
13930 /13927	POS AT local marker nannofossil (see remarks)	DEF AT
14390 /14387	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
14401 /14398	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 857	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 14390
<b>Lease Number:</b> G17565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19705
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 19452
<b>API Well Number:</b> 608054001801	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 14390 - 19705	<b>Water Depth:</b> 8009
<b>Public Info Code:</b> Y 17-JUN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Great White Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14390 /14386	DEF AT first sample examined	DEF AT
14391 /14387	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
14930 /14917	DEF IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
17840 /17666	POS AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
19705 /19452	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 857	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 16090
<b>Lease Number:</b> G17565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19705
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 19452
<b>API Well Number:</b> 608054001801	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 16090 - 19415	<b>Water Depth:</b> 8009
<b>Public Info Code:</b> Y 17-JUN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Great White Prospect, calcareous nannofossil report, 17035=Sphenolithus anarrhopus (NP9-NP5), 17650=NP9-NP5, floral increase with Sphenolithus anarrhopus, Cruciplacolithus intermedius, Cruciplacolithus tenuis, Fasciculithus clintatus, Neochiastozygus chiastus, Toweius crassus, and Toweius rotundus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16090 /16012	DEF AT first sample examined	DEF AT
17035 /16904	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
17650 /17485	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
19415 /19168	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 857	<b>Date of Summary:</b> 03-JUN-2002	<b>First Sample Examined:</b> 14390
<b>Lease Number:</b> G17565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19705
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19452
<b>API Well Number:</b> 608054001801	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 14390 - 19705	<b>Water Depth:</b> 8009
<b>Public Info Code:</b> Y 17-JUN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Great White Prospect, 19410=possible phosphate nodules

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14360 /14357	DEF AT first sample examined	DEF IN 5
14361 /14358	DEF AT Upper (Late) Paleocene	DEF IN 5
14989 /14974	DEF AT pyrite	POS IN 5
14990 /14975	POS AT turbid water facies	POS IN 5
15170 /15145	DEF AT pyrite	POS IN 5
15320 /15286	DEF AT turbid water facies	POS IN 5
16040 /15965	DEF AT turbid water facies	POS IN 5
17420 /17267	DEF AT turbid water facies	POS IN 5
17660 /17495	DEF AT turbid water facies	POS IN 5
17780 /17609	DEF AT turbid water facies	POS IN 5
17810 /17638	POS AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	POS IN 5
17900 /17723	DEF AT pyrite	POS IN 5
18079 /17895	DEF AT turbid water facies	POS IN 5
18080 /17896	DEF AT Bathysiphon fauna	POS IN 5
18580 /18373	DEF AT turbid water facies	POS IN 5
18929 /18701	DEF AT turbid water facies	POS IN 5
18930 /18702	DEF AT Bathysiphon fauna	POS IN 5
19050 /18816	DEF AT turbid water facies	POS IN 5
19381 /19135	DEF AT turbid water facies	POS IN 5
19410 /19163	DEF AT local marker (general)	POS IN 5
19460 /19211	DEF AT - - - - -	DEF IN 5
19705 /19452	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 857	Date of Summary: 01-JUN-2002	First Sample Examined: 10000
Lease Number: G17565	Source of Paleo: OPERATOR	Borehole MD: 11125
Well Name: 002	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 11125
API Well Number: 608054002000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 10000 - 11125	Water Depth: 8009
Public Info Code: Y 09-JUL-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Great White Prospect, calcareous nannofossil report, 10520=Middle Eocene Sphenolithus spiniger and Sphenolithus furcatolithoides, 10700=Helicosphaera seminulum, 10730=Sphenolithus obtusus, 10910=Rhabdosphaera gladius, nannostratigraphy differs from the foraminiferal stratigraphic analysis, operator concurs with the foraminiferal biostratigraphic report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT first sample examined	DEF AT
10001 /10001	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
10030 /10030	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
10031 /10031	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
10090 /10090	POS AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
10120 /10120	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
10210 /10210	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10280 /10280	DEF AT sample gap top	DEF AT
10310 /10310	DEF AT sample gap bottom	DEF AT
10350 /10350	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
10410 /10410	DEF IN Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
10520 /10520	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
10580 /10580	DEF IN Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
10700 /10700	DEF AT local marker floral increase	DEF AT
10730 /10730	DEF AT local marker floral increase	DEF AT
10910 /10910	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
11125 /11125	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 857	Date of Summary: 28-JUN-2002	First Sample Examined: 10000
Lease Number: G17565	Source of Paleo: OPERATOR	Borehole MD: 11125
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11125
API Well Number: 608054002000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 10000 - 11125	Water Depth: 8009
Public Info Code: Y 09-JUL-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Great White Prospect, 10520=at or below Cibicides mexicanus/Globobuliminid influx, 10760=Globorotalia opima opima influx

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT first sample examined	POS AT 5
10001 /10001	POS IN Upper Oligocene (Chattian) Globorotalia opima opima	POS AT 5
10060 /10060	DEF AT pyrite	POS AT 5
10120 /10120	DEF AT radiolarians	DEF IN 5
10210 /10210	DEF AT sand	DEF IN 5
10440 /10440	DEF IN Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 5
10490 /10490	POS AT volcanics	DEF IN 5
10520 /10520	DEF AT local marker planktic foram increase	DEF IN 5
10760 /10760	DEF AT local marker planktic foram increase	DEF IN 5
11125 /11125	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 857	Date of Summary: 25-NOV-2003	First Sample Examined: 10060
Lease Number: G17565	Source of Paleo: OPERATOR	Borehole MD: 14891
Well Name: 003	Paleo Done By: BUGWARE, INC.	Borehole TVD: 13870
API Well Number: 608054002300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 10060 - 14891	Water Depth: 8717
Public Info Code: Y 29-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Great White Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10060 /10025	DEF AT first sample examined	POS AT 5
10090 /10053	DEF AT out-of-place section	POS AT 5
10120 /10081	DEF AT -----	DEF AT 5
10260 /10212	POS AT pyrite	DEF AT 5
10380 /10326	POS AT limestone	DEF AT 4
10500 /10439	DEF AT -----	DEF AT 5
10530 /10467	DEF AT -----	DEF AT 4
10690 /10618	DEF AT -----	DEF AT 5
10840 /10759	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
11050 /10955	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
11125 /11026	DEF AT -----	POS AT 5
11180 /11077	DEF AT -----	DEF AT 5
11330 /11219	DEF AT local marker foram increase	POS AT 5
11480 /11359	DEF AT transported outer shelf facies	POS AT 5
11590 /11461	DEF AT turbid water facies	POS AT 5
11740 /11596	DEF AT -----	POS AT 5
11770 /11622	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
12010 /11825	DEF AT local marker planktic foram increase	DEF AT 5
12220 /11989	DEF AT transported outer shelf facies	POS AT 5
12280 /12035	DEF AT -----	DEF AT 5
12700 /12350	DEF AT limestone	DEF AT 5
12910 /12498	DEF AT -----	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 857  
Lease Number: G17565  
Well Name: 003  
API Well Number: 608054002300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 29-NOV-2013

Date of Summary: 25-NOV-2003  
Source of Paleo: OPERATOR  
Paleo Done By: BUGWARE, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 10060 - 14891  
Ecozone Eq MMS: Y

First Sample Examined: 10060  
Borehole MD: 14891  
Borehole TVD: 13870  
Rkb Elevation: 75  
Water Depth: 8717  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13330 /12799	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
13510 /12924	POS AT pyrite	DEF AT 5
13540 /12945	DEF AT local marker planktic foram increase	DEF AT 5
13590 /12979	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
13620 /13000	POS AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 5
13649 /13020	DEF AT transported shelf fauna	DEF AT 5
13650 /13020	POS AT Middle Eocene (Bartonian) Ceratobulimina eximia	DEF AT 5
13680 /13040	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 0
13710 /13060	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
13770 /13099	POS AT pyrite	DEF AT 5
13799 /13117	DEF AT maximum flooding surface	DEF AT 5
13800 /13118	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
13830 /13137	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
13859 /13156	POS AT reworked material	DEF AT 5
13860 /13157	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
13861 /13158	POS AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
13890 /13177	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
13949 /13216	POS AT radiolarians	DEF AT 5
13950 /13217	POS AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 5
13980 /13237	DEF AT pyrite	DEF AT 5
14040 /13278	DEF AT siltstone	DEF AT 5
14159 /13360	DEF AT maximum flooding surface	DEF AT 5
14160 /13361	DEF AT radiolarians	DEF AT 5
14250 /13423	DEF AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 857	<b>Date of Summary:</b> 25-NOV-2003	<b>First Sample Examined:</b> 10060
<b>Lease Number:</b> G17565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14891
<b>Well Name:</b> 003	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 13870
<b>API Well Number:</b> 608054002300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10060 - 14891	<b>Water Depth:</b> 8717
<b>Public Info Code:</b> Y 29-NOV-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14310 /13465	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
14370 /13508	DEF AT pyrite	DEF AT 5
14570 /13649	DEF AT local marker planktic foram increase	DEF AT 5
14839 /13834	DEF AT turbid water facies	POS AT 5
14840 /13835	DEF AT Bathysiphon fauna	POS AT 5
14891 /13870	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 859	Date of Summary: 24-MAY-2004	First Sample Examined: 15020
Lease Number: G20871	Source of Paleo: OPERATOR	Borehole MD: 18510
Well Name: TA001	Paleo Done By: OPERATOR	Borehole TVD: 18500
API Well Number: 608054002700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 15020 - 18510	Water Depth: 9627
Public Info Code: Y 17-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tobago Prospect, paleo done by Robert L Fleisher

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15020 /15019	DEF AT first sample examined	DEF IN 5
15021 /15020	DEF IN Oligocene	DEF IN 5
15110 /15108	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
15170 /15168	DEF IN Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 6
15410 /15407	POS AT transported shelf fauna	DEF IN 3
15500 /15497	DEF AT -----	DEF IN 6
15560 /15557	DEF AT -----	DEF IN 5
15680 /15677	DEF AT -----	DEF IN 6
15770 /15766	DEF AT -----	POS IN 6
15920 /15916	DEF AT -----	DEF IN 5
15950 /15946	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 5
16160 /16155	DEF AT -----	DEF IN 6
16310 /16305	DEF AT -----	DEF IN 5
16400 /16395	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
16639 /16633	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF IN 5
16640 /16634	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 5
16670 /16664	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF IN 6
16730 /16724	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
16850 /16844	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 6
16940 /16934	DEF AT -----	DEF IN 5
17000 /16994	POS IN Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 5
17090 /17084	DEF AT -----	POS IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 859  
Lease Number: G20871  
Well Name: TA001  
API Well Number: 608054002700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 17-MAY-2014

Date of Summary: 24-MAY-2004  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 15020 - 18510  
Ecozone Eq MMS: Y

First Sample Examined: 15020  
Borehole MD: 18510  
Borehole TVD: 18500  
Rkb Elevation: 91  
Water Depth: 9627  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17180 /17174	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	POS IN 5
17270 /17264	POS AT Lower Eocene (Ypresian) Morozovella quetra	DEF IN 5
17300 /17294	DEF AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	POS IN 5
17570 /17564	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	POS IN 5
17660 /17654	DEF AT -----	DEF IN 6
17690 /17684	DEF AT -----	POS IN 6
17930 /17923	DEF AT Upper Paleocene (Thanetian) Morozovella angulata	POS IN 6
17960 /17953	DEF AT -----	DEF IN 5
18080 /18073	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF IN 5
18350 /18341	POS AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF IN 5
18380 /18371	POS AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF IN 5
18510 /18500	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 859	Date of Summary: 22-JUL-2004	First Sample Examined: 15020
Lease Number: G20871	Source of Paleo: OPERATOR	Borehole MD: 18510
Well Name: TA001	Paleo Done By: OPERATOR	Borehole TVD: 18500
API Well Number: 608054002700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 15020 - 18510	Water Depth: 9627
Public Info Code: Y 17-MAY-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tobago Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
12890 /12890	DEF IN Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF AT
12900 /12900	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
12980 /12980	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
13130 /13130	DEF IN Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
13190 /13190	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
13250 /13250	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
13310 /13310	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
13340 /13340	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
15110 /15108	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT
15680 /15677	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
15920 /15916	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
15949 /15945	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
15950 /15946	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT
16400 /16395	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
16700 /16694	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
16760 /16754	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
16940 /16934	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT
17030 /17024	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
17180 /17174	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT
17195 /17189	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
17300 /17294	POS IN Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
17600 /17594	POS IN Upper (Late) Paleocene	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 859	<b>Date of Summary:</b> 22-JUL-2004	<b>First Sample Examined:</b> 15020
<b>Lease Number:</b> G20871	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18510
<b>Well Name:</b> TA001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18500
<b>API Well Number:</b> 608054002700	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15020 - 18510	<b>Water Depth:</b> 9627
<b>Public Info Code:</b> Y 17-MAY-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17930 /17923	POS AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT
18079 /18072	POS IN Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT
18080 /18073	POS IN Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
18510 /18500	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 859	Date of Summary: 01-APR-2004	First Sample Examined: 14922
Lease Number: G20871	Source of Paleo: OPERATOR	Borehole MD: 18425
Well Name: TA001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 17872
API Well Number: 608054002701	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 14922 - 18425	Water Depth: 9627
Public Info Code: Y 31-MAY-2014	Ecozone Eq MMS:	Paleo ID: 001

Remark: Tobago Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14922 /14921	DEF AT first sample examined	DEF AT
15960 /15940	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
16500 /16396	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
16649 /16510	DEF AT reworked material	DEF AT
16650 /16511	DEF AT local marker floral increase	DEF AT
16920 /16714	DEF IN Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
17040 /16805	DEF AT local marker floral decrease	DEF AT
17100 /16850	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
17130 /16873	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
17160 /16896	DEF IN Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
17220 /16942	DEF IN Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
17370 /17056	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
17490 /17148	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
17610 /17241	DEF AT local marker floral decrease	DEF AT
17700 /17311	DEF AT Lower Eocene (Ypresian) Chiasmolithus californicus	DEF AT
17970 /17520	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
18425 /17872	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 903	Date of Summary: 17-SEP-2001	First Sample Examined: 12560
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20492
API Well Number: 608054001500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 12560 - 20500	Water Depth: 9687
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Trident Prospect, paleo done by Robert Fleisher, 20180=Upper Cretaceous indicated by Inoceramus prism fragments, except for a narrow stratigraphic interval within the Lower Eocene, most of the well contains very few age-diagnostic microfossils and no well-developed faunas, planktic forams are generally scarce below the Lower Oligocene, samples are consistently very sandy below 15110 feet, below 15400 feet diagnostic foram faunas disappear, no Cretaceous planktic forams observed, but a few inoceramid fragments date the samples to probable Upper Cretaceous, within the Abathomphalus mayaroensis zone or somewhat older, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12560 /12560	DEF AT first sample examined	DEF IN 6
12561 /12561	POS IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 6
12590 /12590	DEF AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF IN 6
12800 /12799	DEF IN Lower Miocene (Aquitainian) Globorotalia kugleri	DEF IN 6
12860 /12859	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 6
12980 /12979	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
13250 /13249	DEF AT - - - - -	DEF IN 4
13430 /13429	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 4
13640 /13639	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 4
14150 /14149	DEF AT Upper Eocene (Priabonian) Bulimina jacksonensis	DEF IN 4
14270 /14269	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 4
14300 /14299	DEF AT - - - - -	DEF IN 6
14360 /14359	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
14569 /14568	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 6
14570 /14569	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF IN 6
14840 /14839	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF IN 6
14900 /14899	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
15020 /15019	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 903	Date of Summary: 17-SEP-2001	First Sample Examined: 12560
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20492
API Well Number: 608054001500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 12560 - 20500	Water Depth: 9687
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: N	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15139 /15138	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 5
15140 /15139	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF IN 5
15770 /15769	DEF AT - - - - -	DEF IN 5
16940 /16938	DEF AT - - - - -	DEF IN 4
17060 /17058	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF IN 4
18320 /18316	DEF AT faunal change (no faunal increase)	DEF IN 5
18830 /18825	POS AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF IN 5
18920 /18915	DEF IN Paleocene	DEF IN 5
19070 /19065	DEF AT - - - - -	POS AT 4
20000 /19993	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	POS AT 4
20029 /20022	POS IN Lower Paleocene Danian Stage	POS AT 4
20030 /20023	POS IN Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	POS AT 4
20180 /20172	DEF AT shell fragments	DEF AT 4
20500 /20492	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 903	Date of Summary: 08-OCT-2001	First Sample Examined: 12560
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20492
API Well Number: 608054001500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 12560 - 20500	Water Depth: 9687
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Trident Prospect, company-integrated foram and nanno report, forams by Robert Fleisher, nannos by Bugware (Covington), 18890=in Upper Paleocene Subbotina triloculinooides, 19040=base of Late Paleocene Fasciculithus sp, 20000=rare Lower Paleocene Subbotina trivialis, 20490=in Lower Paleocene Subbotina trivialis, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12560 /12560	DEF AT first sample examined	DEF AT
12580 /12580	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
12920 /12919	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
13040 /13039	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
13100 /13099	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
13220 /13219	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
13580 /13579	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
14120 /14119	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
14121 /14120	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
14570 /14569	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
14660 /14659	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
15025 /15024	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
15035 /15034	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
15050 /15049	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
15140 /15139	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
16940 /16938	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
18890 /18885	DEF IN Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT
19040 /19035	DEF AT local marker floral increase	DEF AT
20000 /19993	POS AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT
20490 /20482	DEF IN Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 903	Date of Summary: 08-OCT-2001	First Sample Examined: 12560
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20492
API Well Number: 608054001500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 12560 - 20500	Water Depth: 9687
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20500 /20492	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 903	Date of Summary: 01-FEB-2002	First Sample Examined: 12665
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 19904
API Well Number: 608054001700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 12665 - 20490	Water Depth: 9727
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Trident Prospect, calcareous nannofossil report, 15240=Middle Eocene Rhabdosphaera gladius, 16170=Upper Paleocene base of Helicosphaera bramlettei, 18300=Upper Paleocene Discoaster mohleri, 19320=co-occurrence of multiple Fasciculithus spp

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12665 /12653	DEF AT first sample examined	DEF AT
12666 /12654	DEF IN Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
12780 /12767	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
13640 /13623	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
13830 /13813	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
14220 /14202	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
14430 /14412	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
14460 /14442	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
14880 /14862	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
15210 /15192	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
15240 /15222	POS AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
15420 /15402	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
15450 /15432	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
15510 /15492	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
16170 /16152	POS AT Upper (Late) Paleocene	DEF AT
16680 /16662	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
16770 /16751	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
18300 /18259	DEF AT local marker floral increase	DEF AT
19320 /19112	POS IN Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
19470 /19216	POS AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
20490 /19898	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 903	Date of Summary: 12-FEB-2002	First Sample Examined: 12665
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 19904
API Well Number: 608054001700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 12665 - 20500	Water Depth: 9727
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Trident Prospect, paleo by Robert Fleisher, 14790=Upper Eocene (probably zone P16) Globigerinatheka howei and Globigerinatheka tropicalis, 14850=Upper Eocene Globigerinatheka semiinvoluta (zone P15), 14880=Upper Eocene Globigerinatheka mexicana (zone P15), 15180=Middle Eocene (zone P12) Gumbelitrioides higginsii, 15360=Middle Eocene (zone P11) Globorotalia praecentralis, 15450=Middle Eocene (zone P10) Acarinina pseudotopilensis, 18360=Paleocene (zoneS P2 TO P5) Subbotina triangularis, 18795=possible Paleocene (zoneS P1 TO basal P4) Subbotina trilocolinoides, age-diagnostic species are completely absent below 18810 to TD

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12665 /12653	DEF AT first sample examined	DEF AT 6
12666 /12654	DEF IN Oligocene	DEF AT 6
12690 /12678	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
13500 /13484	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
14040 /14022	DEF AT local marker foram decrease	DEF AT 6
14730 /14712	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
14790 /14772	DEF IN Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
14850 /14832	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
14880 /14862	DEF AT local marker planktic foram increase	DEF AT 6
15060 /15042	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
15180 /15162	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 6
15270 /15252	DEF AT faunal change (no faunal increase)	DEF IN 5
15300 /15282	DEF IN local marker planktic foram increase	DEF IN 5
15390 /15372	DEF AT local marker foram decrease	DEF IN 5
15450 /15432	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 5
15660 /15642	DEF AT local marker foram decrease	DEF IN 5
15810 /15792	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF IN 5
18360 /18316	POS AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 903  
 Lease Number: G20876  
 Well Name: 002  
 API Well Number: 608054001700  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 31-OCT-2008

Date of Summary: 12-FEB-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 12665 - 20500  
 Ecozone Eq MMS: Y

First Sample Examined: 12665  
 Borehole MD: 20500  
 Borehole TVD: 19904  
 Rkb Elevation: 91  
 Water Depth: 9727  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18795 /18704	POS AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF IN 5
18840 /18742	DEF AT Arenaceous fauna (local marker)	DEF IN 5
18870 /18767	DEF AT local marker foram decrease	DEF IN 5
19560 /19280	DEF AT faunal change (no faunal increase)	POS IN 5
20500 /19904	DEF AT last sample examined	POS IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 943	Date of Summary: 05-APR-2004	First Sample Examined: 9700
Lease Number: G17575	Source of Paleo: OPERATOR	Borehole MD: 11700
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11700
API Well Number: 608054002600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9700 - 11700	Water Depth: 7962
Public Info Code: Y 31-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Hammerhead Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9700 / 9700	DEF AT first sample examined	DEF AT 5
9701 / 9701	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
9760 / 9760	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
9790 / 9790	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
9820 / 9820	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
9880 / 9880	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
9910 / 9910	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
10020 /10020	DEF AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 5
10040 /10040	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
10070 /10070	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
10080 /10080	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10090 /10090	DEF AT radiolarians	DEF AT 5
10130 /10130	DEF AT -----	POS AT 5
10170 /10170	POS AT pyrite	DEF AT 5
10200 /10200	DEF AT local marker (general)	DEF AT 5
10260 /10260	DEF AT -----	POS AT 5
10390 /10390	DEF AT transported outer shelf facies	POS AT 3
10420 /10420	DEF AT siltstone	POS AT 3
10659 /10659	DEF AT pyrite	POS AT 3
10660 /10660	DEF AT transported outer shelf facies	POS AT 3
10820 /10820	DEF AT -----	DEF AT 5
10850 /10850	DEF AT local marker foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 943	<b>Date of Summary:</b> 05-APR-2004	<b>First Sample Examined:</b> 9700
<b>Lease Number:</b> G17575	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11700
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11700
<b>API Well Number:</b> 608054002600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9700 - 11700	<b>Water Depth:</b> 7962
<b>Public Info Code:</b> Y 31-DEC-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10910 /10909	DEF AT local marker planktic foram increase	DEF AT 5
11030 /11029	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
11089 /11088	DEF AT transported outer shelf facies	POS AT 3
11090 /11089	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	POS AT 3
11240 /11239	DEF AT -----	DEF AT 5
11270 /11269	DEF AT -----	POS AT 5
11300 /11299	DEF AT transported outer shelf facies	POS AT 3
11360 /11359	DEF AT siltstone	POS AT 5
11700 /11699	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 947	Date of Summary: 15-JAN-2003	First Sample Examined: 13175
Lease Number: G20882	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19693
API Well Number: 608054002100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 13175 - 15150	Water Depth: 9672
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Trident Prospect, calcareous nannofossil report, 13530=base of Sphenolithus distentus s l, 13650=IPS nanno matrix event, 14040=base of Ismolithus recurvus, 14430=significant downhole increase in Pemma spp, 14490=base of Discoaster tani 5-ray and base of Sphenolithus predistentus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13175 /13172	DEF AT first sample examined	DEF AT
13176 /13173	DEF IN Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
13290 /13287	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
13530 /13527	DEF AT local marker floral increase	DEF AT
13650 /13647	DEF AT local marker floral increase	DEF AT
13710 /13707	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
13830 /13827	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
13890 /13887	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
13891 /13888	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
14040 /14036	DEF AT local marker floral increase	DEF AT
14190 /14186	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
14280 /14276	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
14430 /14426	DEF AT local marker floral increase	DEF AT
14490 /14486	DEF AT local marker floral increase	DEF AT
14520 /14516	DEF AT local marker floral decrease	DEF AT
14610 /14606	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
14850 /14846	DEF AT local marker floral decrease	DEF AT
14940 /14936	DEF AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF AT
15000 /14996	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
15090 /15086	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 947	<b>Date of Summary:</b> 15-JAN-2003	<b>First Sample Examined:</b> 13175
<b>Lease Number:</b> G20882	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19700
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19693
<b>API Well Number:</b> 608054002100	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13175 - 15150	<b>Water Depth:</b> 9672
<b>Public Info Code:</b> Y 31-OCT-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15149 /15145	DEF AT local marker floral decrease	DEF AT
15150 /15146	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 951	Date of Summary: 17-NOV-2003	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13080 /13080	DEF AT first sample examined	DEF AT
13081 /13081	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
13110 /13110	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13140 /13140	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13170 /13170	DEF AT local marker floral decrease	DEF AT
13200 /13200	DEF AT local marker floral increase	DEF AT
13230 /13230	DEF AT local marker floral decrease	DEF AT
13290 /13290	DEF AT local marker floral increase	DEF AT
13350 /13350	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13590 /13590	DEF AT local marker floral increase	DEF AT
13620 /13620	DEF AT floral flood	DEF AT
13680 /13680	DEF AT floral flood	DEF AT
13740 /13740	DEF AT local marker floral decrease	DEF AT
13830 /13830	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13950 /13950	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14040 /14040	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14130 /14130	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14310 /14310	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14340 /14340	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
14400 /14400	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14460 /14460	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14550 /14550	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 951	<b>Date of Summary:</b> 17-NOV-2003	<b>First Sample Examined:</b> 13080
<b>Lease Number:</b> G20885	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22695
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22694
<b>API Well Number:</b> 608054002400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13080 - 22697	<b>Water Depth:</b> 10011
<b>Public Info Code:</b> Y 13-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14580 /14580	DEF AT floral flood	DEF AT
14640 /14640	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14700 /14700	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
14820 /14820	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
14940 /14940	DEF AT local marker floral decrease	DEF AT
14970 /14970	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
15030 /15030	DEF AT local marker floral increase	DEF AT
15060 /15060	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
15090 /15090	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
15120 /15120	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
15150 /15150	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
15180 /15180	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
15240 /15240	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
15330 /15330	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
15450 /15450	DEF AT local marker floral decrease	DEF AT
15480 /15480	DEF AT floral flood	DEF AT
15630 /15630	DEF AT local marker floral increase	DEF AT
15900 /15900	DEF AT local marker floral decrease	DEF AT
16110 /16109	DEF AT local marker floral increase	DEF AT
16410 /16409	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
16560 /16559	POS AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
16590 /16589	DEF AT local marker floral decrease	DEF AT
16680 /16679	DEF IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
18000 /17999	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 951	Date of Summary: 17-NOV-2003	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18060 /18059	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
18120 /18119	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
18150 /18149	DEF AT local marker floral decrease	DEF AT
18210 /18209	DEF AT local marker floral increase	DEF AT
18360 /18359	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
18540 /18539	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
18660 /18659	DEF AT local marker floral decrease	DEF AT
18810 /18809	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
18930 /18929	DEF AT local marker floral decrease	DEF AT
19050 /19049	POS AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
19140 /19139	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
19170 /19169	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
19260 /19259	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
19290 /19289	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
19320 /19319	DEF AT local marker floral decrease	DEF AT
19440 /19439	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
19470 /19469	DEF AT Lower Eocene (Ypresian) Chiasmolithus californicus	DEF AT
19590 /19589	DEF AT local marker floral decrease	DEF AT
19680 /19679	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
19740 /19739	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
19741 /19740	DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF AT
19770 /19769	DEF AT local marker floral decrease	DEF AT
19800 /19799	DEF IN Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF AT
19860 /19859	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 951	Date of Summary: 17-NOV-2003	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20280 /20279	DEF AT local marker floral increase	DEF AT
20430 /20429	DEF AT local marker floral increase	DEF AT
20490 /20489	DEF AT local marker floral decrease	DEF AT
20820 /20819	POS AT local marker floral increase	DEF AT
20850 /20849	DEF AT local marker floral decrease	DEF AT
21540 /21539	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
21570 /21569	DEF AT local marker floral decrease	DEF AT
21630 /21629	POS AT local marker floral increase	DEF AT
21690 /21689	DEF AT local marker floral decrease	DEF AT
22080 /22079	POS AT local marker floral increase	DEF AT
22100 /22099	DEF AT local marker floral decrease	DEF AT
22160 /22159	DEF AT local marker floral increase	DEF AT
22190 /22189	DEF AT local marker floral decrease	DEF AT
22697 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 951	Date of Summary: 01-JAN-2004	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13080 /13080	DEF AT first sample examined	DEF AT 5
13081 /13081	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13110 /13110	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
13290 /13290	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
13350 /13350	DEF AT local marker foram decrease	DEF AT 5
13410 /13410	DEF AT local marker planktic foram increase	DEF AT 5
13470 /13470	DEF AT local marker foram decrease	DEF AT 5
13590 /13590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13650 /13650	DEF AT - - - - -	DEF AT 5
13740 /13740	DEF AT local marker foram decrease	DEF AT 5
13830 /13830	DEF AT foram flood	DEF IN 5
13860 /13860	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13890 /13890	DEF AT pyrite	DEF IN 5
13920 /13920	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
14070 /14070	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
14130 /14130	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
14160 /14160	DEF AT - - - - -	DEF AT 5
14190 /14190	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14280 /14280	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
14340 /14340	DEF AT local marker planktic foram increase	DEF AT 5
14370 /14370	DEF AT local marker foram decrease	DEF AT 5
14400 /14400	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 951  
Lease Number: G20885  
Well Name: 001  
API Well Number: 608054002400  
Paleo Report Num: 2 of 2  
Public Info Code: Y 13-OCT-2006

Date of Summary: 01-JAN-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 13080 - 22697  
Ecozone Eq MMS: Y

First Sample Examined: 13080  
Borehole MD: 22695  
Borehole TVD: 22694  
Rkb Elevation: 92  
Water Depth: 10011  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14460 /14460	DEF AT pyrite	DEF AT 5
14490 /14490	DEF AT local marker foram decrease	DEF AT 5
14549 /14549	DEF AT pyrite	DEF AT 5
14550 /14550	DEF AT local marker foram decrease	DEF AT 5
14640 /14640	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14670 /14670	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14700 /14700	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
14730 /14730	DEF AT pyrite	DEF AT 5
14760 /14760	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
14790 /14790	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
14820 /14820	DEF AT local marker foram decrease	DEF AT 5
14850 /14850	DEF AT pyrite	DEF AT 5
14970 /14970	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
15030 /15030	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
15090 /15090	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
15120 /15120	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
15150 /15150	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
15300 /15300	POS AT reworked material	DEF AT 5
15389 /15389	POS AT reworked material	DEF AT 5
15390 /15390	POS AT Lower Oligocene (Rupelian) Nonion struma	DEF AT 5
15540 /15540	DEF AT pyrite	DEF AT 5
15960 /15960	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
16050 /16049	DEF AT local marker foram decrease	DEF AT 5
16110 /16109	POS AT local marker foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 951	Date of Summary: 01-JAN-2004	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16140 /16139	DEF AT local marker foram decrease	DEF AT 5
16170 /16169	DEF AT local marker foram increase	DEF AT 5
16530 /16529	DEF AT reworked material	DEF AT 5
16560 /16559	DEF IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
16660 /16659	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
16710 /16709	DEF AT local marker foram increase	DEF AT 5
16890 /16889	DEF AT local marker foram increase	DEF AT 5
17010 /17009	DEF AT Upper Eocene (Priabonian) Bulimina jacksonensis	DEF AT 5
17040 /17039	DEF AT - - - - -	DEF AT 4
17190 /17189	POS AT local marker planktic foram increase	DEF AT 4
17370 /17369	DEF AT local marker foram decrease	DEF AT 4
18180 /18179	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4
18240 /18239	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 4
18299 /18298	DEF AT foram flood	DEF AT 5
18300 /18299	DEF IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
18359 /18358	DEF AT radiolarians	DEF AT 5
18360 /18359	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
18390 /18389	DEF AT local marker foram decrease	DEF AT 5
18450 /18449	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
18540 /18539	DEF AT local marker foram increase	DEF AT 5
18600 /18599	DEF AT local marker foram decrease	DEF AT 5
18690 /18689	DEF AT pyrite	DEF AT 4
18720 /18719	DEF AT limestone	DEF AT 4
18840 /18839	DEF AT pyrite	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AC 951  
 Lease Number: G20885  
 Well Name: 001  
 API Well Number: 608054002400  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 13-OCT-2006

Date of Summary: 01-JAN-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 13080 - 22697  
 Ecozone Eq MMS: Y

First Sample Examined: 13080  
 Borehole MD: 22695  
 Borehole TVD: 22694  
 Rkb Elevation: 92  
 Water Depth: 10011  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18870 /18869	POS AT Arenaceous fauna (local marker)	DEF AT 4
18930 /18929	DEF AT pyrite	DEF AT 4
19138 /19137	DEF AT pyrite	DEF AT 4
19139 /19138	DEF AT limestone	DEF AT 4
19140 /19139	DEF AT local marker planktic foram increase	DEF AT 4
19169 /19168	DEF AT foram flood	DEF AT 5
19170 /19169	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
19230 /19229	DEF AT radiolarians	DEF AT 5
19290 /19289	DEF AT pyrite	DEF AT 5
19320 /19319	DEF AT local marker foram decrease	DEF AT 5
19470 /19469	DEF AT local marker foram increase	DEF AT 5
19500 /19499	DEF AT local marker foram decrease	DEF AT 5
19680 /19679	DEF AT - - - - -	DEF AT 4
19800 /19799	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 4
19860 /19859	DEF AT pyrite	DEF AT 4
20460 /20459	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20520 /20519	DEF AT pyrite	DEF AT 4
21029 /21028	DEF AT limestone	DEF AT 4
21030 /21029	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21059 /21058	DEF AT pyrite	DEF AT 4
21060 /21059	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21090 /21089	DEF AT siltstone	DEF AT 4
21120 /21119	DEF AT local marker foram decrease	DEF AT 4
21540 /21539	DEF AT pyrite	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AC 951	<b>Date of Summary:</b> 01-JAN-2004	<b>First Sample Examined:</b> 13080
<b>Lease Number:</b> G20885	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22695
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22694
<b>API Well Number:</b> 608054002400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13080 - 22697	<b>Water Depth:</b> 10011
<b>Public Info Code:</b> Y 13-OCT-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21660 /21659	POS AT Arenaceous fauna (local marker)	DEF AT 4
21690 /21689	DEF AT pyrite	DEF AT 4
22480 /22479	DEF AT pyrite	DEF AT 4
22599 /22598	DEF AT Bathysiphon fauna	DEF AT 4
22600 /22599	POS IN Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 4
22640 /22639	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22697 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 7	Date of Summary: 04-JUN-2003	First Sample Examined: 5530
Lease Number: G21229	Source of Paleo: OPERATOR	Borehole MD: 14636
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13965
API Well Number: 608184004000	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5530 - 14620	Water Depth: 3052
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5530 / 5530	DEF AT first sample examined	DEF AT 5
5560 / 5560	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
5710 / 5710	DEF AT -----	DEF IN 5
5800 / 5800	DEF AT -----	DEF AT 5
7810 / 7667	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10060 / 9692	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10210 / 9826	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12490 /11872	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12730 /12094	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
12820 /12178	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 5
13960 /13289	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14230 /13559	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14500 /13829	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
14620 /13949	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 7	Date of Summary: 04-JUN-2003	First Sample Examined: 5530
Lease Number: G21229	Source of Paleo: OPERATOR	Borehole MD: 14636
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13965
API Well Number: 608184004000	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5530 - 14620	Water Depth: 3052
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5530 / 5530	DEF AT first sample examined	DEF AT
7840 / 7694	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10060 / 9692	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10270 / 9880	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10870 /10419	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11950 /11385	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12520 /11899	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12820 /12178	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13870 /13199	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14170 /13499	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14440 /13769	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14530 /13859	DEF IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14620 /13949	DEF AT last sample examined	DEF AT

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 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 7	<b>Date of Summary:</b> 25-JUN-2003	<b>First Sample Examined:</b> 11200
<b>Lease Number:</b> G21229	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14411
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12598
<b>API Well Number:</b> 608184004003	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11200 - 14410	<b>Water Depth:</b> 3052
<b>Public Info Code:</b> Y 30-JUN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sidetrack 1 bypass 1 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11200 /10714	DEF AT first sample examined	DEF AT 5
12730 /11766	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14230 /12510	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14290 /12539	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14410 /12597	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 7	Date of Summary: 25-JUN-2003	First Sample Examined: 11200
Lease Number: G21229	Source of Paleo: OPERATOR	Borehole MD: 14411
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12598
API Well Number: 608184004003	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 11200 - 14410	Water Depth: 3052
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report for sidetrack 1 bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11200 /10714	DEF AT first sample examined	DEF AT
12040 /11389	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12700 /11751	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13270 /12038	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13299 /12053	POS AT reworked material	DEF AT
13300 /12053	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13900 /12348	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14170 /12481	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14200 /12495	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14290 /12539	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14320 /12553	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14410 /12597	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 18	Date of Summary: 01-NOV-2001	First Sample Examined: 6870
Lease Number: G16849	Source of Paleo: OPERATOR	Borehole MD: 28665
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28651
API Well Number: 608184002400	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 6870 - 28560	Water Depth: 4266
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 7560=Middle Pleistocene Gephyrocapsa margerelli, 23160=Middle Miocene Discoaster lidzi

MD / TVD	Paleo Top Description	Ecozone
6870 / 6870	DEF AT first sample examined	DEF AT
6871 / 6871	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7290 / 7290	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7350 / 7350	DEF AT local marker floral increase	DEF AT
7560 / 7560	DEF AT local marker floral increase	DEF AT
8340 / 8339	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8400 / 8399	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8460 / 8459	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8730 / 8729	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9180 / 9179	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
9330 / 9329	DEF AT reworked material	DEF AT
9600 / 9599	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10050 /10049	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10260 /10259	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10290 /10289	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10620 /10619	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10650 /10649	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10680 /10679	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10710 /10709	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10800 /10799	DEF AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
10860 /10859	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10861 /10860	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 18	Date of Summary: 01-NOV-2001	First Sample Examined: 6870
Lease Number: G16849	Source of Paleo: OPERATOR	Borehole MD: 28665
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28651
API Well Number: 608184002400	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 6870 - 28560	Water Depth: 4266
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10980 /10979	DEF AT gouge	DEF AT
10992 /10991	DEF AT salt	DEF AT
19829 /19819	DEF AT base of salt	DEF AT
19830 /19820	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19980 /19969	DEF AT local marker floral increase	DEF AT
20310 /20299	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20970 /20958	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
21390 /21378	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21600 /21588	DEF AT reworked material	DEF AT
21690 /21678	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21750 /21738	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21810 /21798	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21900 /21888	DEF AT reworked material	DEF AT
22590 /22578	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23160 /23148	DEF AT local marker floral increase	DEF AT
23280 /23268	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23940 /23928	DEF AT local marker floral increase	DEF AT
24750 /24738	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25350 /25337	DEF AT reworked material	DEF AT
25740 /25727	DEF AT local marker floral increase	DEF AT
27480 /27466	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27540 /27526	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
28560 /28546	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 24	Date of Summary: 01-AUG-2000	First Sample Examined: 8550
Lease Number: G12176	Source of Paleo: OPERATOR	Borehole MD: 20461
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18918
API Well Number: 608184001400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 8550 - 20461	Water Depth: 5896
Public Info Code: Y 14-FEB-2001	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 10920=Gephyrocapsa margerelli acme, 12370=Reticulofenestra minutula haqii increase, 12940=Reticulofenestra minutula haqii acme, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8550 / 8550	DEF AT first sample examined	DEF AT
8640 / 8640	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
8700 / 8700	DEF AT reworked material	DEF AT
9270 / 9270	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9330 / 9330	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9480 / 9480	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9600 / 9600	DEF AT local marker floral increase	DEF AT
9960 / 9960	DEF AT reworked material	DEF AT
10050 /10050	DEF AT reworked material	DEF AT
10170 /10170	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10200 /10200	DEF AT reworked material	DEF AT
10289 /10289	POS AT condensed section	DEF AT
10290 /10290	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10291 /10291	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10350 /10350	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10351 /10351	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
10410 /10410	DEF AT reworked material	DEF AT
10560 /10560	DEF AT reworked material	DEF AT
10590 /10590	POS AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
10654 /10654	DEF AT reworked material	DEF AT
10770 /10770	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT

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End Date: 01-DEC-2016

Area Block: AT 24	Date of Summary: 01-AUG-2000	First Sample Examined: 8550
Lease Number: G12176	Source of Paleo: OPERATOR	Borehole MD: 20461
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18918
API Well Number: 608184001400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 8550 - 20461	Water Depth: 5896
Public Info Code: Y 14-FEB-2001	Ecozone Eq MMS: N	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 /10830	DEF AT reworked material	DEF AT
10920 /10920	DEF AT local marker floral increase	DEF AT
10950 /10950	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
10980 /10980	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11010 /11010	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
11011 /11011	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11040 /11040	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11070 /11070	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11130 /11130	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
11160 /11160	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11190 /11190	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11220 /11220	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11221 /11221	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11530 /11529	DEF AT reworked material	DEF AT
12080 /12067	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12370 /12335	DEF AT local marker floral increase	DEF AT
12500 /12452	DEF AT reworked material	DEF AT
12640 /12573	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12820 /12722	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12940 /12819	DEF AT local marker floral increase	DEF AT
13150 /12989	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13640 /13385	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14290 /13913	DEF AT local marker floral increase	DEF AT
14880 /14393	DEF AT local marker floral increase	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 24	Date of Summary: 01-AUG-2000	First Sample Examined: 8550
Lease Number: G12176	Source of Paleo: OPERATOR	Borehole MD: 20461
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18918
API Well Number: 608184001400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 8550 - 20461	Water Depth: 5896
Public Info Code: Y 14-FEB-2001	Ecozone Eq MMS: N	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15080 /14556	DEF AT local marker floral increase	DEF AT
15370 /14794	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16340 /15593	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
16880 /16039	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
16900 /16055	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17350 /16425	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
17530 /16572	DEF AT reworked material	DEF AT
17630 /16653	DEF AT reworked material	DEF AT
17730 /16734	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17731 /16735	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
18210 /17122	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18390 /17266	DEF AT reworked material	DEF AT
18510 /17362	DEF AT reworked material	DEF AT
18630 /17458	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19530 /18175	DEF AT local marker floral increase	DEF AT
20310 /18797	DEF AT local marker floral increase	DEF AT
20430 /18893	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 24	<b>Date of Summary:</b> 01-OCT-2000	<b>First Sample Examined:</b> 8550
<b>Lease Number:</b> G12176	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20461
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18918
<b>API Well Number:</b> 608184001400	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8550 - 20461	<b>Water Depth:</b> 5896
<b>Public Info Code:</b> Y 14-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** 16880=Globorotalia nepenthes acme, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8550 / 8550	DEF AT first sample examined	DEF AT 5
8670 / 8670	POS AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 6
8730 / 8730	DEF AT faunal change (no faunal increase)	DEF AT 5
8850 / 8850	DEF AT faunal change (no faunal increase)	DEF AT 4
9240 / 9240	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
9540 / 9540	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
9750 / 9750	POS AT local marker planktic foram increase	DEF AT 4
10290 /10290	DEF IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 6
10291 /10291	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
10320 /10320	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
10350 /10350	DEF AT faunal change (no faunal increase)	DEF AT 6
10470 /10470	DEF AT local marker foram increase	DEF AT 6
10560 /10560	DEF AT faunal change (no faunal increase)	DEF AT 6
10680 /10680	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 6
10740 /10740	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 6
11010 /11010	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
11070 /11070	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
11071 /11071	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
11130 /11130	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
11250 /11250	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 6
11460 /11460	DEF IN Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 6
11580 /11579	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 24  
Lease Number: G12176  
Well Name: 001  
API Well Number: 608184001400  
Paleo Report Num: 2 of 2  
Public Info Code: Y 14-FEB-2001

Date of Summary: 01-OCT-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: CONOCO INC  
Sample Range: 8550 - 20461  
Ecozone Eq MMS: Y

First Sample Examined: 8550  
Borehole MD: 20461  
Borehole TVD: 18918  
Rkb Elevation: 79  
Water Depth: 5896  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11760 /11757	DEF AT faunal change (no faunal increase)	DEF AT 5
12120 /12105	DEF AT faunal change (no faunal increase)	DEF AT 6
12300 /12272	DEF AT faunal change (no faunal increase)	DEF AT 5
12590 /12530	DEF AT local marker foram increase	DEF AT 6
12720 /12640	DEF AT faunal change (no faunal increase)	DEF AT 5
13120 /12965	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
13400 /13192	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13680 /13417	DEF AT faunal change (no faunal increase)	DEF AT 5
14260 /13889	DEF AT local marker planktic foram increase	DEF AT 6
14293 /13916	DEF AT faunal change (no faunal increase)	DEF AT 4
14390 /13995	DEF AT local marker foram increase	DEF AT 4
14393 /13998	DEF AT faunal change (no faunal increase)	DEF AT 5
14920 /14426	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
15000 /14491	DEF AT faunal change (no faunal increase)	DEF AT 6
15130 /14597	DEF AT faunal change (no faunal increase)	DEF AT 5
16440 /15675	DEF AT faunal change (no faunal increase)	DEF AT 6
16630 /15832	DEF AT faunal change (no faunal increase)	DEF AT 5
16880 /16039	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
16940 /16088	DEF AT faunal change (no faunal increase)	DEF AT 6
17000 /16138	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
17170 /16278	DEF AT faunal change (no faunal increase)	DEF AT 5
17290 /16376	DEF IN Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
17550 /16588	POS IN Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
17830 /16815	POS AT reworked material	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 24	<b>Date of Summary:</b> 01-OCT-2000	<b>First Sample Examined:</b> 8550
<b>Lease Number:</b> G12176	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20461
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18918
<b>API Well Number:</b> 608184001400	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8550 - 20461	<b>Water Depth:</b> 5896
<b>Public Info Code:</b> Y 14-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17950 /16913	DEF AT faunal change (no faunal increase)	DEF AT 5
18270 /17170	DEF AT local marker planktic foram increase	DEF AT 6
18390 /17266	DEF AT faunal change (no faunal increase)	DEF AT 5
19500 /18151	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
19530 /18175	DEF AT local marker planktic foram increase	DEF AT 5
19590 /18223	DEF AT faunal change (no faunal increase)	DEF AT 6
19710 /18318	DEF AT local marker foram increase	DEF AT 6
19890 /18462	DEF AT Arenaceous fauna (local marker)	DEF AT 6
20010 /18558	DEF AT faunal change (no faunal increase)	DEF AT 5
20280 /18773	DEF AT local marker foram increase	DEF AT 6
20310 /18797	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 6
20461 /18918	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 26	<b>Date of Summary:</b> 01-SEP-1999	<b>First Sample Examined:</b> 9210
<b>Lease Number:</b> G13197	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17649
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17646
<b>API Well Number:</b> 608184001100	<b>Drilling Operator:</b> BP CORPORATION NORTH AMERICA INC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9210 - 17649	<b>Water Depth:</b> 6505
<b>Public Info Code:</b> Y 30-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, 9435 to 9510 = sample gap in forams only, 9510=below foram sample gap the fauna is very mixed - oldest appears to be Globigerina nepenthes, 11371=out of place Late Miocene nannos, 14820=Discoaster neoerectus, 15000=nannos indicate undifferentiated latest Miocene, 15765=Chiasmolithus expansus, 16051=Paleocene (Selandian? to Danian) Prinsius martinii, 16140=Lower Paleocene (Danian) Prinsius africanus, 16380=Nannoconus wassalli with ?Nannoconus bucheri, 17551=Late Tithonian Crepidolithus crassus, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9210 / 9210	DEF AT first sample examined	POS IN 5
9211 / 9211	DEF AT cement	POS IN 5
9212 / 9212	DEF AT reworked material	DEF IN 5
9375 / 9374	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS IN 5
9420 / 9419	DEF AT reworked material	POS IN 5
9450 / 9449	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS IN 5
9465 / 9464	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	POS IN 5
9510 / 9509	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9540 / 9539	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
9555 / 9554	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
9570 / 9569	DEF AT - - - - -	DEF IN 6
9630 / 9629	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 6
9855 / 9854	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 6
9900 / 9899	DEF AT Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF IN 6
9945 / 9944	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 6
10200 /10199	DEF AT salt	POS IN 6
11369 /11368	DEF AT base of salt	POS AT 6
11370 /11369	DEF AT out-of-place section	POS AT 6

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 26  
 Lease Number: G13197  
 Well Name: 001  
 API Well Number: 608184001100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-APR-2001

Date of Summary: 01-SEP-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: BP CORPORATION NORTH AMERICA INC  
 Sample Range: 9210 - 17649  
 Ecozone Eq MMS: Y

First Sample Examined: 9210  
 Borehole MD: 17649  
 Borehole TVD: 17646  
 Rkb Elevation: 46  
 Water Depth: 6505  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11371 /11370	POS IN Upper (Late) Miocene	POS AT 6
11468 /11467	DEF AT cement	POS AT 6
11490 /11489	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11670 /11669	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
11775 /11774	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12510 /12509	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
12810 /12809	DEF AT faunal change (no faunal increase)	DEF IN 6
12870 /12869	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 6
14010 /14009	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 6
14280 /14279	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 6
14820 /14819	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 6
14940 /14939	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 6
15000 /14999	DEF IN Upper (Late) Miocene	POS IN 6
15330 /15329	DEF AT - - - - -	DEF IN 6
15480 /15479	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 6
15510 /15509	POS AT out-of-place section	DEF IN 6
15511 /15510	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF IN 6
15561 /15560	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
15600 /15599	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6
15601 /15600	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
15615 /15614	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
15616 /15615	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 6
15630 /15629	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
15631 /15630	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 26	Date of Summary: 01-SEP-1999	First Sample Examined: 9210
Lease Number: G13197	Source of Paleo: OPERATOR	Borehole MD: 17649
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17646
API Well Number: 608184001100	Drilling Operator: BP CORPORATION NORTH AMERICA INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9210 - 17649	Water Depth: 6505
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15660 /15659	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
15690 /15689	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 6
15705 /15704	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT 6
15706 /15705	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 6
15750 /15749	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 6
15780 /15779	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 6
15810 /15809	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 6
15811 /15810	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF IN 6
15840 /15839	POS IN Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 6
15930 /15929	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF IN 6
15931 /15930	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF IN 6
16035 /16034	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 6
16036 /16035	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF IN 6
16050 /16049	DEF AT Upper Paleocene (Thanetian) Planorotalites compressa	DEF IN 6
16080 /16079	POS AT Lower Paleocene (Danian) Globigerina eugubina	DEF IN 6
16140 /16139	DEF AT Lower Paleocene (Danian) Markalius inversus astroporus	DEF IN 6
16155 /16154	POS IN Upper Cretaceous Turonian Stage	POS AT 3
16156 /16155	POS IN Upper Cretaceous Cenomanian Stage	POS AT 3
16230 /16229	DEF AT Upper Cretaceous (Cenomanian) Coriolithon kennedyi	POS AT 3
16320 /16319	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	POS AT 3
16380 /16379	POS AT Lower Cretaceous (Aptian) Conusphaera mexicana	POS AT 3
16560 /16558	DEF AT Lower Cretaceous (Aptian) Nannoconus kamptneri	POS AT 3
16680 /16678	DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata	POS AT 3
16770 /16768	DEF AT Lower Cretaceous (Aptian) Globigerinelloides blowi	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 26  
 Lease Number: G13197  
 Well Name: 001  
 API Well Number: 608184001100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-APR-2001

Date of Summary: 01-SEP-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: BP CORPORATION NORTH AMERICA INC  
 Sample Range: 9210 - 17649  
 Ecozone Eq MMS: Y

First Sample Examined: 9210  
 Borehole MD: 17649  
 Borehole TVD: 17646  
 Rkb Elevation: 46  
 Water Depth: 6505  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17130 /17128	DEF AT Lower Cretaceous (Valanginian) Micrantholithus speetonensis	POS AT 3
17430 /17428	DEF AT Lower Cretaceous (Berriasian) Polycostella beckmannii	POS AT 3
17550 /17547	POS AT Upper Jurassic (Tithonian) Hexalithus noelae	POS AT 3
17649 /17646	DEF AT last sample examined	POS AT 3

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 26	<b>Date of Summary:</b> 01-FEB-2003	<b>First Sample Examined:</b> 9180
<b>Lease Number:</b> G24216	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14174
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13401
<b>API Well Number:</b> 608184003800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9180 - 14172	<b>Water Depth:</b> 6195
<b>Public Info Code:</b> Y 01-APR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9180 / 9180	DEF AT first sample examined	DEF AT 4
9210 / 9210	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
9330 / 9329	DEF AT local marker foram increase	DEF AT 4
9420 / 9419	DEF AT turbid water facies	POS AT 4
9449 / 9448	DEF AT foram flood	DEF AT 5
9450 / 9449	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9690 / 9687	DEF AT local marker foram decrease	DEF AT 4
9990 / 9978	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 4
10200 /10179	DEF AT local marker foram increase	DEF AT 4
10260 /10235	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10350 /10319	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
10438 /10400	DEF AT turbid water facies	DEF AT 5
10439 /10401	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
10440 /10402	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10530 /10483	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
10559 /10508	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10560 /10509	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10589 /10534	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
10590 /10535	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
10619 /10560	DEF AT foram flood	DEF AT 5
10620 /10561	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10740 /10662	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 26  
Lease Number: G24216  
Well Name: 001  
API Well Number: 608184003800  
Paleo Report Num: 1 of 2  
Public Info Code: Y 01-APR-2013

Date of Summary: 01-FEB-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
Sample Range: 9180 - 14172  
Ecozone Eq MMS: Y

First Sample Examined: 9180  
Borehole MD: 14174  
Borehole TVD: 13401  
Rkb Elevation: 72  
Water Depth: 6195  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10860 /10759	DEF AT faunal change (no faunal increase)	DEF AT 4
10920 /10806	DEF AT local marker foram decrease	DEF AT 4
11250 /11057	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11280 /11080	DEF AT local marker foram decrease	DEF AT 4
11310 /11103	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
11430 /11194	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
11460 /11217	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11640 /11354	DEF AT local marker planktic foram increase	DEF AT 5
11670 /11377	DEF AT -----	DEF AT 4
11820 /11491	DEF AT -----	DEF AT 5
11850 /11514	DEF AT -----	DEF AT 4
11910 /11559	DEF AT local marker foram decrease	DEF AT 4
12060 /11674	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4
12150 /11744	DEF AT -----	DEF AT 5
12240 /11813	DEF AT -----	DEF AT 4
12300 /11860	DEF AT -----	DEF AT 5
12330 /11884	DEF AT -----	DEF AT 4
12960 /12405	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
13080 /12506	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
13350 /12733	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
13380 /12758	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
13560 /12906	DEF AT local marker foram decrease	DEF AT 4
13650 /12979	DEF AT -----	DEF AT 5
13680 /13003	DEF AT -----	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 26  
 Lease Number: G24216  
 Well Name: 001  
 API Well Number: 608184003800  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 01-APR-2013

Date of Summary: 01-FEB-2003  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
 Sample Range: 9180 - 14172  
 Ecozone Eq MMS: Y

First Sample Examined: 9180  
 Borehole MD: 14174  
 Borehole TVD: 13401  
 Rkb Elevation: 72  
 Water Depth: 6195  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13800 /13101	DEF AT -----	DEF AT 5
13890 /13174	DEF AT -----	DEF AT 4
14010 /13271	DEF AT local marker foram decrease	DEF AT 5
14100 /13344	DEF AT -----	DEF AT 4
14130 /13368	DEF AT -----	POS AT 4
14172 /13402	DEF AT last sample examined	POS AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 26	<b>Date of Summary:</b> 01-APR-2003	<b>First Sample Examined:</b> 9180
<b>Lease Number:</b> G24216	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14174
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13401
<b>API Well Number:</b> 608184003800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9180 - 14172	<b>Water Depth:</b> 6195
<b>Public Info Code:</b> Y 01-APR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9180 / 9180	DEF AT first sample examined	DEF AT
9210 / 9210	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9420 / 9419	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10230 /10207	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10260 /10235	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10290 /10263	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10380 /10347	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10530 /10483	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10710 /10637	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11130 /10965	DEF IN Lower Pliocene (Zanclian) Discoaster challengeri	DEF AT
12000 /11628	DEF AT reworked material	DEF AT
13110 /12532	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13350 /12733	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13440 /12808	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13620 /12955	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
13830 /13126	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13860 /13150	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13890 /13174	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13920 /13198	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13950 /13223	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14172 /13402	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 37	Date of Summary: 24-FEB-2010	First Sample Examined: 13098
Lease Number: G21825	Source of Paleo: OPERATOR	Borehole MD: 19639
Well Name: SS003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19405
API Well Number: 608184003406	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 13098 - 19639	Water Depth: 7933
Public Info Code: Y 18-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13098 /13057	DEF AT first sample examined	DEF IN 5
13099 /13058	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
13310 /13262	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
13400 /13349	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
13610 /13553	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
13700 /13641	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
13790 /13729	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
13880 /13818	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
13940 /13877	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
14240 /14176	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
14540 /14475	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
14930 /14857	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
15320 /15234	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
15710 /15611	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
15950 /15843	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
16460 /16336	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
16760 /16625	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
16790 /16654	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
17120 /16972	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
17360 /17204	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
17780 /17610	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
17900 /17726	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 24-FEB-2010	<b>First Sample Examined:</b> 13098
<b>Lease Number:</b> G21825	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19639
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19405
<b>API Well Number:</b> 608184003406	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13098 - 19639	<b>Water Depth:</b> 7933
<b>Public Info Code:</b> Y 18-JAN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19219 /18999	POS AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF IN 5
19220 /19000	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi fohsi</i>	DEF IN 5
19310 /19087	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroacuta</i>	DEF IN 5
19457 /19229	DEF AT Lower Miocene (Burdigalian) <i>Catapsydrax dissimilis</i>	DEF IN 5
19458 /19230	DEF AT Lower Miocene (Aquitanian) <i>Globorotalia kugleri</i>	DEF IN 5
19459 /19231	DEF AT Lower Miocene (Aquitanian) <i>Sphenolithus capricornutus</i>	DEF IN 5
19460 /19232	DEF AT Upper Oligocene (Chattian) <i>Dictyococcites bisectus</i>	DEF IN 5
19580 /19348	DEF AT out-of-place section	DEF IN 5
19639 /19405	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 03-JAN-2002	<b>First Sample Examined:</b> 12300
<b>Lease Number:</b> G21826	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21268
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20999
<b>API Well Number:</b> 608184002600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12300 - 21270	<b>Water Depth:</b> 7919
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12300 /12300	DEF AT first sample examined	DEF AT
12570 /12570	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12630 /12630	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13020 /13020	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13140 /13140	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13350 /13350	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13500 /13500	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13890 /13890	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14220 /14220	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14250 /14250	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
14310 /14310	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15150 /15150	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15510 /15506	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15540 /15536	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16290 /16241	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16440 /16374	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17340 /17178	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18840 /18588	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19110 /18853	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20070 /19803	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20700 /20432	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21060 /20791	DEF AT Lower Miocene (Aquitaniian) Discoaster woodringii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 03-JAN-2002	<b>First Sample Examined:</b> 12300
<b>Lease Number:</b> G21826	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21268
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20999
<b>API Well Number:</b> 608184002600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12300 - 21270	<b>Water Depth:</b> 7919
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21090 /20821	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
21120 /20851	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
21270 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 04-JAN-2002	<b>First Sample Examined:</b> 12300
<b>Lease Number:</b> G21826	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21268
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20999
<b>API Well Number:</b> 608184002600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12300 - 21270	<b>Water Depth:</b> 7919
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12300 /12300	DEF AT first sample examined	DEF AT 5
12540 /12540	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13020 /13020	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13080 /13080	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13440 /13440	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
16500 /16427	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
17580 /17393	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
18840 /18588	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
18870 /18617	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21060 /20791	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
21089 /20820	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
21090 /20821	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
21120 /20851	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
21149 /20880	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
21150 /20881	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
21270 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 37	Date of Summary: 22-NOV-2002	First Sample Examined: 12370
Lease Number: G21826	Source of Paleo: OPERATOR	Borehole MD: 21740
Well Name: SS003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21533
API Well Number: 608184003400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 12370 - 21740	Water Depth: 7933
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 21520=mixed Oligocene and Late Eocene flora TO 21580, 21670=fossil hash, oldest age-diagnostic species noted is Dictyococcites bisectus, very poor preservation to 21730, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12370 /12353	DEF AT first sample examined	DEF AT
12460 /12439	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12640 /12613	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12850 /12816	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13330 /13283	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13450 /13400	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13810 /13752	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14170 /14105	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14350 /14281	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
14380 /14311	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14890 /14814	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15310 /15232	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15370 /15292	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16150 /16069	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16240 /16158	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17080 /16989	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18760 /18603	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18940 /18776	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20170 /19971	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20230 /20030	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20950 /20745	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 22-NOV-2002	<b>First Sample Examined:</b> 12370
<b>Lease Number:</b> G21826	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21740
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21533
<b>API Well Number:</b> 608184003400	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12370 - 21740	<b>Water Depth:</b> 7933
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21520 /21314	DEF AT out-of-place section	DEF AT
21670 /21463	DEF AT out-of-place section	DEF AT
21730 /21523	DEF AT local marker floral decrease	DEF AT
21740 /21533	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 37	Date of Summary: 25-NOV-2002	First Sample Examined: 12370
Lease Number: G21826	Source of Paleo: OPERATOR	Borehole MD: 21740
Well Name: SS003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21533
API Well Number: 608184003400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 12370 - 21740	Water Depth: 7933
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12370 /12353	DEF AT first sample examined	DEF AT 5
12460 /12439	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12580 /12555	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12610 /12584	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12970 /12932	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13390 /13341	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
13900 /13840	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
18760 /18603	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
19000 /18833	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
20230 /20030	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
20410 /20208	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21369 /21163	POS AT reworked material	DEF AT 5
21370 /21164	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21610 /21404	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
21740 /21533	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 37	Date of Summary: 22-JAN-2003	First Sample Examined: 16260
Lease Number: G21826	Source of Paleo: OPERATOR	Borehole MD: 21110
Well Name: SS003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20537
API Well Number: 608184003401	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 16260 - 21110	Water Depth: 7933
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
16260 /16178	DEF AT first sample examined	DEF IN 4
17160 /17062	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
18700 /18408	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 4
19150 /18789	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
19240 /18866	DEF AT - - - - -	DEF IN 4
20260 /19758	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
21110 /20537	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 22-JAN-2003	<b>First Sample Examined:</b> 16260
<b>Lease Number:</b> G21826	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21110
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20537
<b>API Well Number:</b> 608184003401	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16260 - 21110	<b>Water Depth:</b> 7933
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16260 /16178	DEF AT first sample examined	DEF AT
16261 /16179	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17250 /17148	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18670 /18383	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19150 /18789	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20260 /19758	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20350 /19839	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21110 /20537	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 17-MAY-2006	<b>First Sample Examined:</b> 16990
<b>Lease Number:</b> G21826	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19930
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19756
<b>API Well Number:</b> 608184003402	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16990 - 19930	<b>Water Depth:</b> 7933
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16990 /16909	DEF AT first sample examined	DEF IN 5
17110 /17029	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
17290 /17209	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
17410 /17329	DEF AT - - - - -	DEF AT 5
17830 /17748	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
18370 /18286	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
18520 /18434	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
18700 /18611	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
19540 /19403	DEF AT transported shelf fauna	POS AT 5
19690 /19539	DEF AT - - - - -	DEF IN 5
19779 /19620	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 5
19780 /19621	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 5
19810 /19648	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
19930 /19756	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 06-APR-2006	<b>First Sample Examined:</b> 17990
<b>Lease Number:</b> G21826	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20086
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19742
<b>API Well Number:</b> 608184003403	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17990 - 20086	<b>Water Depth:</b> 7933
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17990 /17824	DEF AT first sample examined	DEF IN 5
18320 /18124	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
18470 /18260	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
18530 /18314	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
18620 /18395	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
18710 /18476	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
19430 /19134	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
19790 /19468	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
19850 /19523	DEF AT out-of-place section	DEF IN 5
20030 /19690	DEF AT local marker floral decrease	DEF IN 5
20086 /19742	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 37	<b>Date of Summary:</b> 10-APR-2006	<b>First Sample Examined:</b> 18036
<b>Lease Number:</b> G21826	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20540
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20222
<b>API Well Number:</b> 608184003404	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18036 - 20540	<b>Water Depth:</b> 7933
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18036 /17866	DEF AT first sample examined	DEF IN 5
18300 /18114	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
18509 /18312	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
18510 /18313	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
18780 /18570	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
18840 /18627	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
20039 /19749	DEF AT out-of-place section	DEF IN 5
20040 /19750	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
20540 /20222	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 22-MAR-2000	<b>First Sample Examined:</b> 7020
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18898
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18800
<b>API Well Number:</b> 608184001300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7020 - 18840	<b>Water Depth:</b> 4370
<b>Public Info Code:</b> Y 13-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Champlain Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7020	DEF AT first sample examined	DEF AT
7080 / 7080	DEF AT floral flood	DEF AT
7620 / 7620	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8580 / 8579	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8880 / 8879	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9060 / 9059	DEF AT floral flood	DEF AT
9420 / 9419	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9540 / 9539	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
9780 / 9779	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9960 / 9959	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10140 /10139	DEF AT floral flood	DEF AT
10260 /10259	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10380 /10379	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10500 /10499	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10620 /10619	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10680 /10679	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11100 /11099	DEF AT drilling material	DEF AT
11400 /11398	DEF AT salt	DEF AT
17800 /17767	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18840 /18748	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 27-MAR-2000	<b>First Sample Examined:</b> 7020
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18898
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18800
<b>API Well Number:</b> 608184001300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7020 - 18840	<b>Water Depth:</b> 4370
<b>Public Info Code:</b> Y 13-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Champlain Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7020	DEF AT first sample examined	DEF IN 3
7050 / 7050	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
7200 / 7200	DEF AT Illinoian fauna (local marker)	DEF IN 4
7201 / 7201	DEF AT local marker foram decrease	DEF IN 4
7230 / 7230	DEF AT local marker (general)	DEF IN 4
7320 / 7320	DEF AT faunal change (no faunal increase)	DEF AT 4
7590 / 7590	DEF AT local marker planktic foram increase	DEF IN 4
7680 / 7680	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF IN 5
7740 / 7740	DEF AT foram flood	DEF IN 5
7770 / 7770	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
7800 / 7800	DEF AT - - - - -	DEF AT 5
7890 / 7890	DEF AT local marker foram decrease	DEF AT 4
7980 / 7980	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
8010 / 8010	DEF AT local marker foram increase	DEF AT 4
8040 / 8040	DEF AT pyrite	DEF AT 4
8160 / 8160	DEF AT local marker foram increase	DEF AT 4
8490 / 8489	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
8519 / 8518	DEF AT foram flood	DEF IN 4
8520 / 8519	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
8550 / 8549	DEF AT faunal change (no faunal increase)	DEF AT 4
8580 / 8579	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
8670 / 8669	DEF AT local marker benthic foram increase	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 27-MAR-2000	First Sample Examined: 7020
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 18898
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18800
API Well Number: 608184001300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7020 - 18840	Water Depth: 4370
Public Info Code: Y 13-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8790 / 8789	DEF AT local marker foram decrease	DEF AT 4
8820 / 8819	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 4
9029 / 9028	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
9030 / 9029	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
9057 / 9056	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9058 / 9057	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9059 / 9058	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9060 / 9059	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
9090 / 9089	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9119 / 9118	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
9120 / 9119	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 4
9150 / 9149	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
9240 / 9239	DEF AT sand	DEF AT 4
9270 / 9269	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
9480 / 9479	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
9508 / 9507	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
9509 / 9508	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
9510 / 9509	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
9540 / 9539	DEF AT local marker foram decrease	DEF AT 4
9630 / 9629	DEF AT foram flood	DEF AT 4
9660 / 9659	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
9748 / 9747	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
9749 / 9748	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 4
9750 / 9749	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63  
Lease Number: G13198  
Well Name: 001  
API Well Number: 608184001300  
Paleo Report Num: 2 of 2  
Public Info Code: Y 13-MAR-2010

Date of Summary: 27-MAR-2000  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 7020 - 18840  
Ecozone Eq MMS: Y

First Sample Examined: 7020  
Borehole MD: 18898  
Borehole TVD: 18800  
Rkb Elevation: 82  
Water Depth: 4370  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9779 / 9778	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
9780 / 9779	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
9930 / 9929	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
10050 /10049	DEF AT faunal change (no faunal increase)	DEF AT 4
10200 /10199	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
10259 /10258	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
10260 /10259	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 4
10320 /10319	DEF AT pyrite	DEF IN 4
10350 /10349	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
10410 /10409	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
10440 /10439	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF IN 4
10498 /10497	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 4
10499 /10498	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
10500 /10499	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
10649 /10648	POS IN out-of-place section	DEF IN 3
10650 /10649	POS IN Lower Eocene (Ypresian) Morozovella rex / subbotinae	POS IN 3
10680 /10679	DEF AT faunal change (no faunal increase)	DEF IN 3
10709 /10708	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
10710 /10709	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
10800 /10799	DEF AT salt	POS IN 3
17650 /17622	POS AT base of salt	DEF AT 5
17800 /17767	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	POS AT 5
17850 /17815	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
17880 /17844	DEF AT local marker foram increase	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 27-MAR-2000	<b>First Sample Examined:</b> 7020
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18898
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18800
<b>API Well Number:</b> 608184001300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7020 - 18840	<b>Water Depth:</b> 4370
<b>Public Info Code:</b> Y 13-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18000 /17960	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 3
18120 /18075	DEF AT reworked material	DEF IN 3
18150 /18103	DEF AT local marker benthic foram increase	DEF AT 3
18330 /18274	DEF AT faunal change (no faunal increase)	DEF IN 3
18360 /18303	DEF AT local white Arenacous fauna	DEF IN 3
18450 /18387	POS AT salt weld	DEF IN 3
18540 /18471	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
18810 /18720	DEF AT faunal change (no faunal increase)	DEF AT 3
18840 /18748	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 22-MAR-2000	<b>First Sample Examined:</b> 18870
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23542
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22710
<b>API Well Number:</b> 608184001301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 18870 - 23540	<b>Water Depth:</b> 4384
<b>Public Info Code:</b> Y 17-APR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Champlain Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18870 /18780	DEF AT first sample examined	DEF IN 3
18871 /18781	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
18990 /18890	DEF AT reworked material	DEF IN 3
19320 /19184	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
19350 /19210	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 3
19560 /19393	DEF AT Arenaceous fauna (local marker)	DEF IN 3
20100 /19848	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
20250 /19975	DEF AT local marker foram increase	DEF IN 3
20640 /20304	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
20760 /20405	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
20820 /20455	DEF AT pyrite	DEF AT 4
20970 /20581	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
21090 /20681	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21450 /20983	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21480 /21008	POS AT local marker deep water fauna	DEF AT 4
21570 /21084	DEF AT faunal change (no faunal increase)	DEF IN 3
21780 /21260	DEF AT Arenaceous fauna (local marker)	DEF IN 3
21870 /21335	DEF AT local marker foram increase	DEF AT 4
21990 /21436	DEF AT cement	DEF AT 4
22260 /21662	POS AT transported shelf fauna	DEF AT 4
22440 /21811	DEF AT local marker foram increase	DEF AT 4
22500 /21861	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 22-MAR-2000	<b>First Sample Examined:</b> 18870
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23542
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22710
<b>API Well Number:</b> 608184001301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 18870 - 23540	<b>Water Depth:</b> 4384
<b>Public Info Code:</b> Y 17-APR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22710 /22034	POS AT salt weld	DEF AT 4
22740 /22059	POS IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
22800 /22108	POS AT out-of-place section	DEF AT 4
22830 /22133	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF IN 4
22890 /22182	POS AT Eggerella sp. (local marker)	DEF AT 3
22950 /22231	DEF AT foram flood	DEF AT 4
23010 /22280	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF IN 4
23100 /22353	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF IN 4
23160 /22402	DEF AT reworked material	DEF AT 5
23190 /22426	DEF AT limestone	DEF AT 5
23220 /22450	DEF AT foram flood	DEF AT 5
23279 /22498	DEF AT foram flood	DEF AT 5
23280 /22499	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
23340 /22547	DEF AT limestone	DEF AT 5
23460 /22644	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
23490 /22668	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
23540 /22708	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 22-MAR-2000	First Sample Examined: 18870
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23542
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22710
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 18870 - 23540	Water Depth: 4384
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Champlain Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18870 /18780	DEF AT first sample examined	DEF AT
18900 /18808	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19560 /19393	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
19740 /19545	DEF AT local marker floral decrease	DEF AT
20640 /20304	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20760 /20405	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21000 /20606	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21420 /20958	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21600 /21109	DEF AT local marker floral decrease	DEF AT
21960 /21410	DEF AT reworked material	DEF AT
22078 /21509	DEF AT floral flood	DEF AT
22079 /21510	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22080 /21511	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22260 /21662	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22440 /21811	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
22620 /21960	DEF AT reworked material	DEF AT
22740 /22059	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
22800 /22108	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
23100 /22353	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23279 /22498	DEF AT floral flood	DEF AT
23280 /22499	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperensis	DEF AT
23520 /22692	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 22-MAR-2000	<b>First Sample Examined:</b> 18870
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23542
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22710
<b>API Well Number:</b> 608184001301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 18870 - 23540	<b>Water Depth:</b> 4384
<b>Public Info Code:</b> Y 17-APR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23540 /22708	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 06-MAY-2000	<b>First Sample Examined:</b> 17670
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23542
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22710
<b>API Well Number:</b> 608184001301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 17670 - 20849	<b>Water Depth:</b> 4384
<b>Public Info Code:</b> Y 17-APR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Champlain Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17670 /17641	DEF AT first sample examined	DEF AT
17671 /17642	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18030 /17989	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18210 /18161	DEF AT local marker floral increase	DEF AT
18690 /18614	DEF AT local marker floral increase	DEF AT
19230 /19104	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19590 /19418	DEF AT local marker floral increase	DEF AT
19770 /19571	DEF AT local marker floral decrease	DEF AT
20849 /20479	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 06-JUN-2000	First Sample Examined: 17670
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23542
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22710
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 17670 - 20849	Water Depth: 4384
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 005

**Remark:** Champlain Prospect, 17670=rafted Upper Cretaceous with minor Eocene, 17730=rafted Upper Cretaceous with minor Miocene, 17820=normal section, 20760=oil-stained sand influx

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17670 /17641	DEF AT first sample examined	DEF IN 4
17671 /17642	DEF AT out-of-place section	DEF IN 4
17730 /17699	DEF AT out-of-place section	DEF AT 4
17820 /17786	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF IN 4
17880 /17844	DEF AT local marker foram decrease	DEF AT 4
17940 /17902	DEF AT pyrite	DEF AT 4
17970 /17931	DEF AT local marker foram decrease	DEF AT 4
18030 /17989	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
18090 /18046	DEF AT pyrite	DEF IN 4
18150 /18103	DEF AT local marker foram decrease	DEF AT 4
18300 /18247	DEF AT local marker foram increase	DEF IN 4
18390 /18332	DEF AT local marker foram decrease	DEF AT 4
18510 /18446	DEF AT faunal change (no faunal increase)	DEF IN 3
18540 /18474	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
18570 /18502	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 3
18600 /18530	DEF AT local white Arenacous fauna	DEF IN 3
18630 /18558	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
18660 /18586	DEF AT pyrite	DEF IN 3
18690 /18614	DEF AT sand	DEF AT 4
18720 /18642	DEF AT local marker foram decrease	DEF IN 3
18750 /18670	DEF AT - - - - -	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 06-JUN-2000	First Sample Examined: 17670
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23542
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22710
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 17670 - 20849	Water Depth: 4384
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 005

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19110 /18998	DEF AT local marker foram decrease	DEF IN 3
19230 /19104	DEF AT local marker foram increase	DEF IN 4
19290 /19158	DEF AT -----	DEF AT 4
19350 /19210	DEF AT local marker foram decrease	DEF IN 3
19560 /19393	DEF AT -----	DEF AT 4
19620 /19444	DEF AT -----	DEF IN 4
19650 /19469	DEF AT sand	DEF AT 4
19680 /19495	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19710 /19520	DEF AT local marker foram decrease	DEF AT 4
19740 /19545	DEF AT -----	DEF IN 3
19920 /19697	DEF AT local marker foram increase	DEF AT 4
19950 /19722	DEF AT local marker foram decrease	DEF IN 3
20130 /19874	DEF AT Arenaceous fauna (local marker)	DEF IN 3
20160 /19899	DEF AT local marker foram increase	DEF IN 3
20220 /19950	DEF AT -----	DEF AT 4
20250 /19975	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
20280 /20001	DEF AT local marker foram decrease	DEF IN 3
20620 /20287	DEF AT drilling material	DEF IN 3
20640 /20304	DEF AT local marker foram increase	DEF AT 4
20670 /20329	DEF AT local marker foram decrease	DEF IN 3
20730 /20380	POS AT shell fragments	DEF IN 3
20849 /20479	DEF AT last sample examined	DEF IN 3

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 06-MAY-2000	First Sample Examined: 20850
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 24989
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24637
API Well Number: 608184001302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 20850 - 24988	Water Depth: 4384
Public Info Code: Y 03-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Champlain Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20850 /20834	DEF AT first sample examined	DEF AT
21210 /21194	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
21270 /21254	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21390 /21374	DEF AT floral flood	DEF AT
21450 /21434	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21600 /21583	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21720 /21702	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22620 /22558	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23760 /23558	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24480 /24190	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
24600 /24296	DEF AT reworked material	DEF AT
24988 /24636	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 06-JUN-2000	First Sample Examined: 20850
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 24989
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24637
API Well Number: 608184001302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20850 - 24988	Water Depth: 4384
Public Info Code: Y 03-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Champlain Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20850 /20834	DEF AT first sample examined	DEF IN 3
21060 /21044	DEF AT faunal change (no faunal increase)	DEF AT 4
21090 /21074	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21120 /21104	DEF AT sand	DEF IN 3
21210 /21194	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
21600 /21583	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21630 /21612	DEF AT faunal change (no faunal increase)	DEF IN 4
21690 /21672	DEF AT local marker foram increase	DEF IN 4
21710 /21692	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
21750 /21731	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
21840 /21820	DEF AT Eggerella sp. (local marker)	DEF AT 4
22110 /22083	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
22140 /22111	DEF AT local marker foram decrease	DEF IN 4
22200 /22169	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
22260 /22226	DEF AT -----	DEF AT 4
22290 /22254	DEF AT local marker foram decrease	DEF AT 4
22350 /22310	DEF AT -----	DEF IN 3
22560 /22504	DEF AT -----	DEF AT 4
22650 /22585	DEF AT -----	DEF IN 3
22770 /22691	DEF AT local marker foram decrease	DEF IN 3
23160 /23033	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
23220 /23086	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 06-JUN-2000	First Sample Examined: 20850
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 24989
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24637
API Well Number: 608184001302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20850 - 24988	Water Depth: 4384
Public Info Code: Y 03-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23250 /23112	DEF AT local marker foram decrease	DEF IN 3
23940 /23716	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 3
24390 /24111	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 3
24448 /24162	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 6
24449 /24163	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
24450 /24164	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 6
24510 /24217	DEF AT -----	DEF IN 4
24570 /24269	DEF AT local marker foram decrease	DEF AT 4
24630 /24322	DEF AT -----	DEF IN 3
24690 /24374	DEF AT local marker foram decrease	DEF IN 3
24720 /24401	DEF AT -----	DEF AT 4
24750 /24427	DEF AT -----	DEF IN 3
24930 /24585	DEF AT local marker planktic foram increase	DEF AT 4
24988 /24636	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 23-JUL-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 25367
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 24715
<b>API Well Number:</b> 608184001304	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 4385
<b>Public Info Code:</b> Y 03-JUL-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Champlain Prospect, calcareous nannofossil report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20085 /20068	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21570 /21424	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22740 /22352	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23510 /22977	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23530 /22994	DEF AT Lower Miocene (Burdigalian) Discoaster druggi (increase)	DEF AT
25340 /24689	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 16-APR-2002	First Sample Examined: 7500
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 13290
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13287
API Well Number: 608184002900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 7500 - 11820	Water Depth: 4437
Public Info Code: Y 21-MAY-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Champlain Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7500	DEF AT first sample examined	DEF AT
7680 / 7680	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7740 / 7740	DEF AT local marker floral decrease	DEF AT
8790 / 8790	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8880 / 8880	DEF AT local marker floral decrease	DEF AT
8970 / 8970	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9300 / 9300	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9360 / 9360	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9420 / 9420	DEF AT local marker floral decrease	DEF AT
9540 / 9540	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
9660 / 9660	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9840 / 9840	DEF AT local marker floral decrease	DEF AT
9900 / 9900	DEF AT reworked material	DEF AT
9960 / 9960	DEF AT local marker floral decrease	DEF AT
10020 /10020	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10140 /10140	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10260 /10260	DEF AT local marker floral decrease	DEF AT
10440 /10440	DEF AT local marker floral increase	DEF AT
10680 /10680	DEF AT local marker floral decrease	DEF AT
11040 /11040	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11220 /11220	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11250 /11250	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 16-APR-2002	<b>First Sample Examined:</b> 7500
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13290
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13287
<b>API Well Number:</b> 608184002900	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7500 - 11820	<b>Water Depth:</b> 4437
<b>Public Info Code:</b> Y 21-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11280 /11280	DEF AT local marker floral decrease	DEF AT
11400 /11400	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11490 /11490	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11580 /11580	DEF AT local marker floral increase	DEF AT
11730 /11730	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11820 /11820	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 20-OCT-2002	<b>First Sample Examined:</b> 7500
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13290
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13287
<b>API Well Number:</b> 608184002900	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7500 - 11820	<b>Water Depth:</b> 4437
<b>Public Info Code:</b> Y 21-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Champlain Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7500	DEF AT first sample examined	DEF AT 4
7530 / 7530	DEF IN Illinoian fauna (local marker)	DEF IN 4
7680 / 7680	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
7860 / 7860	DEF AT local marker foram decrease	DEF AT 4
8100 / 8100	DEF AT local marker planktic foram increase	DEF IN 4
8190 / 8190	DEF AT local marker foram increase	DEF IN 4
8250 / 8250	DEF AT local marker foram decrease	DEF IN 4
8340 / 8340	DEF AT - - - - -	DEF AT 4
8759 / 8759	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
8760 / 8760	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
8910 / 8910	DEF AT local marker planktic foram increase	DEF IN 4
8968 / 8968	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 4
8969 / 8969	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
8970 / 8970	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
9180 / 9180	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 4
9270 / 9270	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 4
9330 / 9330	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
9360 / 9360	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
9389 / 9389	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 4
9390 / 9390	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
9420 / 9420	DEF AT - - - - -	DEF AT 4
9540 / 9540	DEF AT local marker planktic foram increase	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 20-OCT-2002	First Sample Examined: 7500
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 13290
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13287
API Well Number: 608184002900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 7500 - 11820	Water Depth: 4437
Public Info Code: Y 21-MAY-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9600 / 9600	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
10020 /10020	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
10139 /10139	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
10140 /10140	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
10320 /10320	DEF AT - - - - -	DEF AT 4
10410 /10410	DEF AT - - - - -	DEF IN 4
10770 /10770	DEF AT faunal change (no faunal increase)	DEF AT 4
10830 /10830	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
10980 /10980	DEF AT local marker benthic foram increase	DEF IN 4
11010 /11010	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
11190 /11190	DEF AT local marker benthic foram increase	DEF AT 4
11250 /11250	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
11340 /11340	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
11399 /11399	DEF AT foram flood	DEF AT 5
11400 /11400	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
11430 /11430	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
11490 /11490	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
11550 /11550	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 4
11640 /11640	DEF AT - - - - -	DEF AT 4
11699 /11699	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
11700 /11700	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
11730 /11730	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11790 /11790	DEF AT out-of-place section	DEF AT 4
11820 /11820	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 16-APR-2002	<b>First Sample Examined:</b> 17460
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24181
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24173
<b>API Well Number:</b> 608184002903	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17460 - 24181	<b>Water Depth:</b> 4437
<b>Public Info Code:</b> Y 24-SEP-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Champlain Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17460 /17457	DEF AT first sample examined	DEF AT
17461 /17458	DEF AT base of salt	DEF AT
17462 /17459	DEF IN Upper (Late) Miocene	DEF AT
17730 /17727	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17970 /17967	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18030 /18027	DEF AT local marker floral increase	DEF AT
18090 /18087	DEF AT local marker floral decrease	DEF AT
18450 /18447	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18510 /18507	DEF AT local marker floral decrease	DEF AT
18690 /18687	DEF AT local marker floral increase	DEF AT
18750 /18747	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
18930 /18927	DEF AT local marker floral decrease	DEF AT
19230 /19227	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19290 /19287	DEF AT local marker floral decrease	DEF AT
20970 /20967	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
21030 /21027	DEF AT local marker floral decrease	DEF AT
21570 /21567	DEF AT local marker floral increase	DEF AT
21690 /21686	DEF AT local marker floral decrease	DEF AT
22170 /22166	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22290 /22286	DEF AT local marker floral increase	DEF AT
22350 /22346	DEF AT local marker floral decrease	DEF AT
22470 /22466	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63  
 Lease Number: G13198  
 Well Name: 003  
 API Well Number: 608184002903  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 24-SEP-2012

Date of Summary: 16-APR-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 17460 - 24181  
 Ecozone Eq MMS:

First Sample Examined: 17460  
 Borehole MD: 24181  
 Borehole TVD: 24173  
 Rkb Elevation: 73  
 Water Depth: 4437  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22770 /22765	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22830 /22825	DEF AT local marker floral decrease	DEF AT
23340 /23334	DEF AT local marker floral increase	DEF AT
23400 /23394	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23460 /23454	DEF AT local marker floral decrease	DEF AT
23880 /23873	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23940 /23933	DEF AT local marker floral decrease	DEF AT
24150 /24142	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24181 /24173	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 20-OCT-2002	First Sample Examined: 17520
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 24181
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24173
API Well Number: 608184002903	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 17520 - 24181	Water Depth: 4437
Public Info Code: Y 24-SEP-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Champlain Prospect, 17520=first sample below salt, Miocene to Cretaceous mixed fauna, 17580=Robulus 64 LAD, 18240=Bolivina-Cibicides biozonation, 21240=Middle Miocene Bolivina floridana acme

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17520 /17517	DEF AT first sample examined	POS AT 4
17521 /17518	DEF AT base of salt	POS AT 4
17522 /17519	DEF AT out-of-place section	POS AT 4
17580 /17577	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
17610 /17607	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
18240 /18237	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
18300 /18297	DEF AT faunal change (no faunal increase)	DEF AT 4
18450 /18447	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
18810 /18807	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF AT 4
18990 /18987	POS AT local marker foram increase	DEF AT 4
19050 /19047	DEF AT local marker foram decrease	DEF AT 4
19200 /19197	POS AT local marker foram increase	DEF AT 4
19260 /19257	DEF AT local marker foram decrease	DEF AT 4
19620 /19617	POS AT local marker foram increase	DEF AT 4
19650 /19647	DEF AT local marker foram decrease	DEF AT 4
19800 /19797	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
19860 /19857	DEF AT local marker foram decrease	DEF AT 4
20160 /20157	DEF AT local white Arenaceous fauna	DEF AT 4
20430 /20427	DEF AT local marker foram decrease	DEF AT 4
20700 /20697	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20760 /20757	DEF AT limestone	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 20-OCT-2002	<b>First Sample Examined:</b> 17520
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24181
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24173
<b>API Well Number:</b> 608184002903	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17520 - 24181	<b>Water Depth:</b> 4437
<b>Public Info Code:</b> Y 24-SEP-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20790 /20787	DEF AT local marker foram increase	DEF AT 4
20820 /20817	DEF AT local marker foram decrease	DEF AT 4
20910 /20907	DEF AT Eggerella sp. (local marker)	DEF AT 4
20970 /20967	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21030 /21027	DEF AT local marker foram decrease	DEF AT 4
21240 /21237	DEF AT local marker foram increase	DEF AT 4
21300 /21297	DEF AT local marker foram decrease	DEF AT 4
21359 /21356	DEF AT local white Arenaceous fauna	DEF AT 4
21360 /21357	DEF AT Bathysiphon fauna	DEF AT 4
21420 /21417	DEF AT local marker foram decrease	DEF AT 4
21540 /21537	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21600 /21597	DEF AT local marker foram decrease	DEF AT 4
22050 /22046	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22140 /22136	DEF AT local marker foram increase	DEF IN 4
22200 /22196	DEF AT local marker foram decrease	DEF IN 4
22290 /22286	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
22320 /22316	DEF AT local marker foram decrease	DEF AT 4
22380 /22376	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
22440 /22436	DEF AT local marker foram decrease	DEF AT 4
22530 /22526	DEF AT Bathysiphon fauna	DEF AT 4
22740 /22735	POS AT local marker foram increase	DEF AT 4
22800 /22795	DEF AT local marker foram decrease	DEF AT 4
23070 /23065	DEF AT Bathysiphon fauna	DEF AT 4
23160 /23155	DEF AT Arenaceous fauna (local marker)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63  
 Lease Number: G13198  
 Well Name: 003  
 API Well Number: 608184002903  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 24-SEP-2012

Date of Summary: 20-OCT-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 17520 - 24181  
 Ecozone Eq MMS: Y

First Sample Examined: 17520  
 Borehole MD: 24181  
 Borehole TVD: 24173  
 Rkb Elevation: 73  
 Water Depth: 4437  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23370 /23364	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
23400 /23394	DEF AT local marker foram decrease	DEF AT 4
23700 /23693	POS AT local marker foram increase	DEF AT 4
24090 /24082	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
24181 /24173	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 05-MAY-2003	<b>First Sample Examined:</b> 17250
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27869
<b>Well Name:</b> SS004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27802
<b>API Well Number:</b> 608184004100	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17250 - 27780	<b>Water Depth:</b> 4418
<b>Public Info Code:</b> Y 01-JUL-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17250 /17228	DEF AT first sample examined	DEF AT
17251 /17229	DEF IN salt	DEF AT
18090 /18068	POS AT base of salt	DEF AT
18270 /18247	DEF AT -----	DEF AT 4
18420 /18397	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
18570 /18547	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
18780 /18757	DEF AT -----	DEF IN 4
18930 /18907	DEF AT -----	DEF AT 5
18990 /18967	DEF AT -----	DEF IN 4
19290 /19267	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
19920 /19897	DEF AT transported shelf fauna	DEF AT 4
19950 /19927	DEF AT -----	DEF IN 4
20370 /20347	POS AT Arenaceous fauna (local marker)	DEF IN 4
20940 /20916	DEF AT -----	DEF AT 5
20969 /20945	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
20970 /20946	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
21030 /21006	DEF AT -----	DEF IN 4
21180 /21156	DEF AT local marker benthic foram increase	DEF IN 4
21360 /21336	DEF AT Arenaceous fauna (local marker)	DEF IN 4
21990 /21965	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 4
22019 /21994	DEF AT Bathysiphon fauna	DEF IN 4
22020 /21995	DEF AT Cyclammia cancellata (local marker)	DEF IN 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 05-MAY-2003	First Sample Examined: 17250
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 27869
Well Name: SS004	Paleo Done By: OPERATOR	Borehole TVD: 27802
API Well Number: 608184004100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 17250 - 27780	Water Depth: 4418
Public Info Code: Y 01-JUL-2013	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22260 /22235	DEF AT Bathysiphon fauna	DEF IN 4
22290 /22265	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
22560 /22534	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
22650 /22624	DEF AT -----	DEF IN 4
22890 /22863	DEF AT -----	DEF AT 5
23040 /23013	DEF AT -----	DEF IN 4
23310 /23282	DEF AT Bathysiphon fauna	DEF IN 4
23550 /23521	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23610 /23580	DEF AT -----	DEF AT 5
23640 /23610	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
23700 /23670	DEF AT -----	DEF IN 4
24780 /24742	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
24900 /24861	DEF AT pyrite	DEF AT 4
24960 /24920	DEF AT transported shelf fauna	DEF AT 3
25020 /24980	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
25140 /25099	POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
25170 /25128	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 3
25260 /25217	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
25320 /25277	DEF AT -----	DEF AT 4
25350 /25307	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 5
25420 /25376	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 5
25440 /25396	DEF AT -----	DEF AT 4
25470 /25425	DEF AT -----	DEF IN 4
25500 /25455	DEF AT -----	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 05-MAY-2003	First Sample Examined: 17250
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 27869
Well Name: SS004	Paleo Done By: OPERATOR	Borehole TVD: 27802
API Well Number: 608184004100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 17250 - 27780	Water Depth: 4418
Public Info Code: Y 01-JUL-2013	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25560 /25515	DEF AT Lower Miocene (Aquitainian) Siphonina davis	DEF AT 4
25680 /25633	DEF AT - - - - -	DEF AT 5
25709 /25662	DEF AT out-of-place section	DEF AT 6
25710 /25663	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
25770 /25723	DEF AT - - - - -	DEF AT 5
25800 /25752	DEF AT foram flood	DEF AT 5
26070 /26019	DEF AT foram flood	DEF AT 5
26099 /26048	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
26100 /26049	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
26400 /26346	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
26459 /26404	DEF AT foram flood	DEF AT 5
26460 /26405	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
26579 /26523	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 5
26580 /26524	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
26700 /26643	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
26818 /26760	DEF AT radiolarians	DEF AT 5
26819 /26761	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 5
26820 /26762	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 5
26940 /26881	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
27297 /27235	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
27298 /27236	DEF AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 5
27299 /27237	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 5
27300 /27238	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
27420 /27357	DEF AT radiolarians	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 05-MAY-2003	<b>First Sample Examined:</b> 17250
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27869
<b>Well Name:</b> SS004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27802
<b>API Well Number:</b> 608184004100	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17250 - 27780	<b>Water Depth:</b> 4418
<b>Public Info Code:</b> Y 01-JUL-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27450 /27387	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
27540 /27476	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 5
27569 /27505	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT 5
27570 /27506	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 5
27600 /27536	DEF AT foram flood	DEF AT 5
27720 /27655	DEF AT Upper Cretaceous (Maastrichtian) Gansserina gansseri	DEF AT 5
27780 /27715	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 63	Date of Summary: 03-JUN-2003	First Sample Examined: 17670
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 27869
Well Name: SS004	Paleo Done By: BUGWARE, INC.	Borehole TVD: 27802
API Well Number: 608184004100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 17670 - 27869	Water Depth: 4418
Public Info Code: Y 01-JUL-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 27060=top of Pseudotriquetrorhabdulus inversus, all results below 22590 are preliminary

MD / TVD	Paleo Top Description	Ecozone
17670 /17648	DEF AT first sample examined	DEF AT
17671 /17649	DEF AT salt stringer	DEF AT
18270 /18247	DEF AT base of salt	DEF AT
18300 /18277	POS AT out-of-place section	DEF AT
18810 /18787	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19560 /19537	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19920 /19897	DEF AT local marker floral decrease	DEF AT
20850 /20826	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
21000 /20976	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21240 /21216	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21840 /21816	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21990 /21965	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22320 /22295	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22560 /22534	DEF AT local marker floral increase	DEF AT
24660 /24623	POS IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
25110 /25069	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
25410 /25366	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
25830 /25782	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25920 /25871	DEF AT Upper Oligocene (Chatian) Sphenolithus delphix	DEF AT
25980 /25930	DEF AT Upper Oligocene (Chatian) Sphenolithus ciproensis	DEF AT
26640 /26584	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26880 /26822	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 63	<b>Date of Summary:</b> 03-JUN-2003	<b>First Sample Examined:</b> 17670
<b>Lease Number:</b> G13198	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27869
<b>Well Name:</b> SS004	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 27802
<b>API Well Number:</b> 608184004100	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17670 - 27869	<b>Water Depth:</b> 4418
<b>Public Info Code:</b> Y 01-JUL-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26940 /26881	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
27000 /26941	POS IN Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
27060 /27000	DEF AT local marker floral increase	DEF AT
27390 /27327	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
27450 /27387	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
27720 /27655	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
27868 /27802	DEF IN Upper (Late) Cretaceous	DEF AT
27869 /27803	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 83	<b>Date of Summary:</b> 08-JUL-2003	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G18495	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14000
<b>API Well Number:</b> 608184004300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11000 - 14000	<b>Water Depth:</b> 8056
<b>Public Info Code:</b> Y 20-APR-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /11000	DEF AT first sample examined	DEF AT 5
11060 /11060	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
11420 /11420	DEF AT -----	DEF IN 5
11750 /11750	DEF AT -----	DEF AT 5
12170 /12170	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12200 /12200	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12439 /12439	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12440 /12440	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
12590 /12589	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
12708 /12707	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
12709 /12708	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
12710 /12709	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12739 /12738	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12740 /12739	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12830 /12829	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12859 /12858	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12860 /12859	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12889 /12888	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12890 /12889	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
12920 /12919	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
13040 /13039	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
13400 /13399	DEF AT local marker foram decrease	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 83	<b>Date of Summary:</b> 08-JUL-2003	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G18495	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14000
<b>API Well Number:</b> 608184004300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11000 - 14000	<b>Water Depth:</b> 8056
<b>Public Info Code:</b> Y 20-APR-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13760 /13759	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
14000 /13999	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 83	<b>Date of Summary:</b> 08-JUL-2003	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G18495	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14000
<b>API Well Number:</b> 608184004300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11000 - 14000	<b>Water Depth:</b> 8056
<b>Public Info Code:</b> Y 20-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /11000	DEF AT first sample examined	DEF AT
11210 /11210	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11450 /11450	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12470 /12470	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12590 /12589	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12650 /12649	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12710 /12709	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12740 /12739	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12830 /12829	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12920 /12919	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13010 /13009	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
13040 /13039	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13070 /13069	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13130 /13129	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13370 /13369	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13760 /13759	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14000 /13999	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 92	<b>Date of Summary:</b> 19-APR-2001	<b>First Sample Examined:</b> 5578
<b>Lease Number:</b> G21829	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13505
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13173
<b>API Well Number:</b> 608184001900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5578 - 13500	<b>Water Depth:</b> 3414
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5578 / 5577	DEF AT first sample examined	DEF AT 5
5579 / 5578	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
9540 / 9538	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
11220 /11195	POS AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF AT 5
12510 /12313	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
13500 /13169	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 92	<b>Date of Summary:</b> 19-APR-2001	<b>First Sample Examined:</b> 5578
<b>Lease Number:</b> G21829	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13505
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13173
<b>API Well Number:</b> 608184001900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5578 - 13500	<b>Water Depth:</b> 3414
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5578 / 5577	DEF AT first sample examined	DEF AT
9210 / 9208	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11310 /11279	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12270 /12113	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12510 /12313	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13380 /13065	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13500 /13169	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 92	<b>Date of Summary:</b> 19-APR-2001	<b>First Sample Examined:</b> 11880
<b>Lease Number:</b> G21829	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15975
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15326
<b>API Well Number:</b> 608184001901	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 11880 - 15975	<b>Water Depth:</b> 3414
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11880 /11782	DEF AT first sample examined	DEF AT 5
12570 /12374	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14040 /13640	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14070 /13666	DEF AT - - - - -	DEF IN 5
14130 /13718	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
14220 /13797	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14580 /14113	DEF AT - - - - -	DEF AT 5
15510 /14921	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15975 /15326	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 92	Date of Summary: 19-APR-2001	First Sample Examined: 11880
Lease Number: G21829	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15326
API Well Number: 608184001901	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 73
Paleo Report Num: 2 of 4	Sample Range: 11880 - 15975	Water Depth: 3414
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11880 /11782	DEF AT first sample examined	DEF AT
12330 /12166	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12540 /12348	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13290 /13002	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13740 /13385	DEF AT reworked material	DEF AT
13890 /13512	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14010 /13615	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14040 /13640	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14250 /13823	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14730 /14244	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15000 /14479	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15810 /15181	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15975 /15326	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 92	<b>Date of Summary:</b> 19-APR-2001	<b>First Sample Examined:</b> 14377
<b>Lease Number:</b> G21829	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15975
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15326
<b>API Well Number:</b> 608184001901	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 14377 - 15855	<b>Water Depth:</b> 3414
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14377 /13935	DEF AT first sample examined	DEF AT
14596 /14127	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14838 /14338	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15072 /14542	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15755 /15133	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15855 /15221	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15856 /15221	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 92	<b>Date of Summary:</b> 19-APR-2001	<b>First Sample Examined:</b> 14377
<b>Lease Number:</b> G21829	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15975
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15326
<b>API Well Number:</b> 608184001901	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 14377 - 18555	<b>Water Depth:</b> 3414
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Foraminiferal report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14377 /13935	DEF AT first sample examined	DEF AT 3
14596 /14127	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 3
14838 /14338	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15072 /14542	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
15687 /15074	DEF AT - - - - -	DEF AT 2
15755 /15133	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
15855 /15221	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 113	<b>Date of Summary:</b> 30-OCT-2000	<b>First Sample Examined:</b> 9490
<b>Lease Number:</b> G12265	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10228
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10228
<b>API Well Number:</b> 608184001600	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9490 - 10228	<b>Water Depth:</b> 6224
<b>Public Info Code:</b> Y 14-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Taos Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9400 / 9400	DEF AT first sample examined	POS IN 3
9580 / 9580	DEF AT local marker foram increase	DEF IN 3
9760 / 9760	DEF AT faunal change (no faunal increase)	DEF AT 4
9910 / 9910	DEF AT faunal change (no faunal increase)	DEF AT 4
9940 / 9940	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9970 / 9970	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10030 /10030	DEF AT faunal change (no faunal increase)	DEF AT 4
10228 /10228	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 113	<b>Date of Summary:</b> 01-NOV-2001	<b>First Sample Examined:</b> 9490
<b>Lease Number:</b> G12265	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10228
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10228
<b>API Well Number:</b> 608184001600	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9490 - 10228	<b>Water Depth:</b> 6224
<b>Public Info Code:</b> Y 14-FEB-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Taos Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9490 / 9490	DEF AT first sample examined	DEF AT
9820 / 9820	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9940 / 9940	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10228 / 10228	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 113	<b>Date of Summary:</b> 30-OCT-2000	<b>First Sample Examined:</b> 10228
<b>Lease Number:</b> G12265	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16549
<b>API Well Number:</b> 608184001601	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10228 - 17500	<b>Water Depth:</b> 6224
<b>Public Info Code:</b> Y 14-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark: Taos Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10228 /10228	DEF AT first sample examined	DEF AT 4
10720 /10720	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10780 /10780	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10990 /10990	DEF AT cement	POS AT 5
11050 /11050	DEF AT -----	DEF AT 4
11110 /11110	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11139 /11139	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11140 /11140	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11169 /11169	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11170 /11170	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11380 /11380	DEF AT -----	DEF AT 4
11410 /11410	DEF AT -----	DEF AT 5
11440 /11440	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11680 /11679	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
11740 /11739	DEF AT -----	DEF AT 4
11860 /11859	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
11890 /11889	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11920 /11919	DEF AT -----	DEF AT 5
11950 /11949	DEF AT -----	DEF AT 4
12130 /12129	DEF AT -----	DEF AT 5
12190 /12189	DEF AT local marker benthic foram increase	DEF AT 4
12280 /12279	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 113	<b>Date of Summary:</b> 30-OCT-2000	<b>First Sample Examined:</b> 10228
<b>Lease Number:</b> G12265	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16549
<b>API Well Number:</b> 608184001601	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10228 - 17500	<b>Water Depth:</b> 6224
<b>Public Info Code:</b> Y 14-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12940 /12939	POS AT reworked material	DEF AT 4
14350 /14313	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
14470 /14422	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
15040 /14887	DEF AT local marker foram increase	DEF AT 4
15970 /15518	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
16000 /15538	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
17110 /16285	DEF AT local marker foram increase	DEF AT 4
17260 /16386	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
17460 /16522	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 113	<b>Date of Summary:</b> 01-NOV-2001	<b>First Sample Examined:</b> 10229
<b>Lease Number:</b> G12265	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16549
<b>API Well Number:</b> 608184001601	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10229 - 17500	<b>Water Depth:</b> 6224
<b>Public Info Code:</b> Y 14-FEB-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Taos Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10229 /10229	DEF AT first sample examined	DEF AT
10780 /10780	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10900 /10900	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11030 /11030	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
11080 /11080	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11200 /11200	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11320 /11320	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11380 /11380	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
11440 /11440	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
12040 /12039	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
12220 /12219	POS AT Lower Pliocene (Zanclian) Discoaster challengeri	DEF AT
12970 /12969	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13060 /13059	POS IN Lower Pliocene (Zanclian) Discoaster challengeri	DEF AT
14650 /14579	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14710 /14630	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15310 /15073	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16360 /15781	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16630 /15962	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
17500 /16549	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 138	<b>Date of Summary:</b> 01-APR-2008	<b>First Sample Examined:</b> 20380
<b>Lease Number:</b> G23018	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24853
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24853
<b>API Well Number:</b> 608184006800	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20380 - 24853	<b>Water Depth:</b> 3480
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sturgis North Prospect, foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20380 /20380	DEF AT first sample examined	POS AT 6
20381 /20381	DEF IN transported outer shelf facies	POS AT 6
20422 /20422	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 6
20430 /20430	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 6
20520 /20520	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 6
20910 /20910	DEF AT transported outer shelf facies	POS AT 6
21119 /21119	DEF AT pyrite	POS AT 6
21120 /21120	DEF AT glauconite	POS AT 6
21210 /21210	DEF AT local white Arenaceous fauna	POS AT 6
21270 /21270	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 6
21420 /21420	DEF AT transported outer shelf facies	POS AT 6
21509 /21509	DEF AT pyrite	DEF AT 6
21510 /21510	DEF AT local white Arenaceous fauna	DEF AT 6
21540 /21540	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
21720 /21720	DEF AT transported outer shelf facies	POS AT 6
21750 /21750	DEF AT faunal change (no faunal increase)	DEF AT 6
21839 /21839	DEF AT pyrite	DEF AT 6
21840 /21840	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 6
21870 /21870	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 6
22080 /22080	DEF AT transported outer shelf facies	POS AT 6
22170 /22170	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	POS AT 6
22200 /22200	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	POS AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 138	Date of Summary: 01-APR-2008	First Sample Examined: 20380
Lease Number: G23018	Source of Paleo: OPERATOR	Borehole MD: 24853
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24853
API Well Number: 608184006800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 20380 - 24853	Water Depth: 3480
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22260 /22260	DEF AT transported outer shelf facies	DEF AT 6
22350 /22350	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 6
22500 /22500	DEF AT Bathysiphon fauna	DEF AT 6
22590 /22590	DEF AT local white Arenaceous fauna	DEF AT 6
22680 /22680	DEF AT transported outer shelf facies	POS AT 6
23070 /23070	DEF AT local marker benthic foram increase	POS AT 6
23280 /23280	DEF AT turbid water facies	POS AT 6
23310 /23310	DEF AT transported outer shelf facies	POS AT 6
23340 /23340	DEF AT turbid water facies	POS AT 6
23370 /23370	DEF AT transported outer shelf facies	POS AT 6
23430 /23430	POS AT local marker foram increase	DEF AT 6
23460 /23460	DEF AT transported outer shelf facies	POS AT 6
23520 /23520	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	POS AT 6
23760 /23760	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	POS AT 6
23999 /23999	DEF AT turbid water facies	POS AT 6
24000 /24000	DEF AT Arenaceous fauna (local marker)	POS AT 6
24060 /24060	DEF AT transported outer shelf facies	POS AT 6
24210 /24210	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
24240 /24240	DEF AT transported outer shelf facies	POS AT 6
24390 /24390	DEF AT turbid water facies	POS AT 6
24419 /24419	DEF AT transported outer shelf facies	POS AT 6
24420 /24420	DEF AT Bathysiphon fauna	POS AT 6
24510 /24510	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
24540 /24540	DEF AT turbid water facies	POS AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 138	<b>Date of Summary:</b> 01-APR-2008	<b>First Sample Examined:</b> 20380
<b>Lease Number:</b> G23018	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24853
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24853
<b>API Well Number:</b> 608184006800	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20380 - 24853	<b>Water Depth:</b> 3480
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24600 /24600	POS AT Middle Miocene (Serravallian) Textularia "W"	POS AT 6
24630 /24630	DEF AT faunal change (no faunal increase)	DEF AT 6
24689 /24689	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
24690 /24690	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
24853 /24853	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 138	<b>Date of Summary:</b> 01-APR-2008	<b>First Sample Examined:</b> 20380
<b>Lease Number:</b> G23018	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24853
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24853
<b>API Well Number:</b> 608184006800	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 20380 - 24853	<b>Water Depth:</b> 3480
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Sturgis North Prospect, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20380 /20380	DEF AT first sample examined	DEF AT
20381 /20381	DEF IN base of salt	DEF AT
20430 /20430	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
20445 /20445	DEF AT floral flood	DEF AT
20460 /20460	DEF AT local marker floral decrease	DEF AT
20729 /20729	DEF AT floral flood	DEF AT
20730 /20730	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21270 /21270	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21329 /21329	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
21330 /21330	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT
21420 /21420	DEF AT local marker floral decrease	DEF AT
21628 /21628	DEF AT floral flood	DEF AT
21720 /21720	DEF AT local marker floral decrease	DEF AT
21809 /21809	DEF AT floral flood	DEF AT
21810 /21810	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22110 /22110	DEF AT local marker floral decrease	DEF AT
22260 /22260	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22350 /22350	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22740 /22740	DEF AT local marker floral decrease	DEF AT
23070 /23070	DEF AT local marker floral increase	DEF AT
23100 /23100	DEF AT local marker floral decrease	DEF AT
23430 /23430	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 138	<b>Date of Summary:</b> 01-APR-2008	<b>First Sample Examined:</b> 20380
<b>Lease Number:</b> G23018	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24853
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24853
<b>API Well Number:</b> 608184006800	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 20380 - 24853	<b>Water Depth:</b> 3480
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23520 /23520	DEF AT local marker floral decrease	DEF AT
23730 /23730	POS AT local marker floral increase	DEF AT
23970 /23970	DEF AT local marker floral decrease	DEF AT
24210 /24210	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
24330 /24330	DEF AT local marker floral increase	DEF AT
24420 /24420	POS AT reworked material	DEF AT
24450 /24450	DEF AT local marker floral decrease	DEF AT
24540 /24540	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
24583 /24583	DEF AT last sample examined	DEF AT
24600 /24600	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
24660 /24660	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
24690 /24690	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 138	<b>Date of Summary:</b> 08-AUG-2008	<b>First Sample Examined:</b> 24676
<b>Lease Number:</b> G23018	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 29494
<b>API Well Number:</b> 608184006802	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24676 - 29500	<b>Water Depth:</b> 3480
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24676 /24670	DEF AT first sample examined	DEF AT 6
24677 /24671	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
24690 /24684	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
24720 /24714	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
24780 /24774	DEF AT local marker foram decrease	DEF AT 6
24870 /24864	DEF AT sand	DEF IN 4
25050 /25044	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
25140 /25134	DEF AT Bathysiphon fauna	DEF IN 4
25170 /25164	POS AT gouge	DEF AT
25200 /25194	DEF AT salt	DEF AT
25350 /25344	DEF AT out-of-place section	DEF AT
25530 /25524	POS AT salt	DEF AT
29500 /29494	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 138	Date of Summary: 08-AUG-2008	First Sample Examined: 24676
Lease Number: G23018	Source of Paleo: OPERATOR	Borehole MD: 29500
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29494
API Well Number: 608184006802	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 24676 - 29500	Water Depth: 3480
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24676 /24670	DEF AT first sample examined	DEF AT
24690 /24684	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
25020 /25014	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25050 /25044	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
25080 /25074	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
25110 /25104	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25140 /25134	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25200 /25194	DEF IN salt	DEF AT
25230 /25224	DEF AT out-of-place section	DEF AT
25530 /25524	DEF AT salt	DEF AT
29500 /29494	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 140	<b>Date of Summary:</b> 24-MAY-2006	<b>First Sample Examined:</b> 5850
<b>Lease Number:</b> G16865	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24803
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24788
<b>API Well Number:</b> 608184005900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5850 - 24690	<b>Water Depth:</b> 3739
<b>Public Info Code:</b> Y 17-DEC-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Claymore Prospect, consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5850 / 5850	DEF AT first sample examined	DEF AT 5
5940 / 5940	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6630 / 6630	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
6720 / 6720	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
6780 / 6780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
6810 / 6810	DEF AT - - - - -	DEF AT 5
7078 / 7078	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
7079 / 7079	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
7080 / 7080	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7620 / 7620	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
7650 / 7650	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
7770 / 7770	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7800 / 7800	DEF AT reworked material	DEF AT 5
7950 / 7950	DEF AT salt	DEF AT 5
12349 /12348	DEF AT base of salt	DEF AT 5
12350 /12349	DEF AT out-of-place section	DEF AT 5
12600 /12599	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
13259 /13258	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
13260 /13259	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14410 /14409	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
14470 /14469	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17680 /17678	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 140	<b>Date of Summary:</b> 24-MAY-2006	<b>First Sample Examined:</b> 5850
<b>Lease Number:</b> G16865	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24803
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24788
<b>API Well Number:</b> 608184005900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5850 - 24690	<b>Water Depth:</b> 3739
<b>Public Info Code:</b> Y 17-DEC-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18069 /18067	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
18070 /18068	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19060 /19057	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
20380 /20374	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT 5
20650 /20642	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
20920 /20909	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
22350 /22335	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
24690 /24675	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 140	Date of Summary: 30-JAN-2007	First Sample Examined: 13650
Lease Number: G16865	Source of Paleo: OPERATOR	Borehole MD: 19610
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17667
API Well Number: 608184005903	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 13650 - 19610	Water Depth: 3739
Public Info Code: Y 17-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Claymore Prospect, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13650 /12748	DEF AT first sample examined	DEF AT 5
13651 /12749	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
13652 /12749	POS IN reworked material	DEF AT 5
14190 /13141	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
14580 /13428	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14610 /13450	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
15660 /14226	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15690 /14248	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
15719 /14270	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
15720 /14270	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17100 /15357	DEF AT local marker floral increase	DEF AT 5
18540 /16671	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
18660 /16784	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
18750 /16868	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
18990 /17092	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19020 /17120	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT 5
19320 /17399	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
19610 /17667	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 140	<b>Date of Summary:</b> 28-SEP-2007	<b>First Sample Examined:</b> 12480
<b>Lease Number:</b> G16865	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15600
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15290
<b>API Well Number:</b> 608184005904	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12480 - 25290	<b>Water Depth:</b> 3739
<b>Public Info Code:</b> Y 17-DEC-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12480 /12347	DEF AT first sample examined	DEF AT 5
13049 /12887	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13050 /12888	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14550 /14303	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15600 /15290	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 140	<b>Date of Summary:</b> 03-APR-2007	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G26363	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19856
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18000
<b>API Well Number:</b> 608184005901	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13500 - 19860	<b>Water Depth:</b> 3739
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Claymore Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /12844	DEF AT first sample examined	POS AT 4
13501 /12845	DEF IN salt	POS AT 4
14399 /13577	DEF AT base of salt	DEF AT 4
14400 /13578	DEF AT out-of-place section	DEF AT 4
14490 /13651	DEF AT -----	DEF IN 5
15450 /14437	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
15630 /14586	DEF AT transported outer shelf facies	POS IN 5
16620 /15399	DEF AT -----	DEF IN 5
17610 /16195	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
17730 /16291	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
17790 /16339	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
18360 /16798	DEF AT transported outer shelf facies	POS IN 5
18810 /17159	DEF AT -----	DEF IN 5
19140 /17425	DEF AT -----	DEF AT 5
19710 /17883	DEF AT -----	DEF IN 5
19860 /	DEF AT last sample examined	DEF IN 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 153	Date of Summary: 04-OCT-2001	First Sample Examined: 10520
Lease Number: G13211	Source of Paleo: OPERATOR	Borehole MD: 28100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28008
API Well Number: 608184002100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 10520 - 27760	Water Depth: 4785
Public Info Code: Y 18-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 12410=suture, 19620=in Miocene-Oligocene-Eocene coccolith mix, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 /10519	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10640 /10639	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10760 /10759	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10910 /10909	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT
11030 /11029	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11120 /11119	POS AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
11150 /11149	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11180 /11179	POS AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
11210 /11209	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11300 /11299	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11360 /11359	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11449 /11448	POS AT gouge	DEF AT
11450 /11449	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
11451 /11450	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
11480 /11479	POS AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
11630 /11629	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
11689 /11688	POS AT salt	DEF AT
11690 /11689	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
11810 /11809	POS AT salt	DEF AT
12410 /12408	POS IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
19260 /19229	POS AT gouge	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 153	Date of Summary: 04-OCT-2001	First Sample Examined: 10520
Lease Number: G13211	Source of Paleo: OPERATOR	Borehole MD: 28100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28008
API Well Number: 608184002100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 10520 - 27760	Water Depth: 4785
Public Info Code: Y 18-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22290 /22245	POS IN gouge	DEF AT
22320 /22275	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22330 /22285	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22340 /22295	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22359 /22314	POS AT gouge	DEF AT
22360 /22315	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
22370 /22325	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
22380 /22335	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
22910 /22862	DEF AT salt	DEF AT
24628 /24549	DEF AT base of salt	DEF AT
24629 /24550	POS AT gouge	DEF AT
24630 /24551	POS AT Eocene	DEF AT
24870 /24788	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25130 /25046	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
25490 /25405	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26420 /26332	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
27760 /27669	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 153	Date of Summary: 01-DEC-2001	First Sample Examined: 10520
Lease Number: G13211	Source of Paleo: OPERATOR	Borehole MD: 28100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28008
API Well Number: 608184002100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 10520 - 28100	Water Depth: 4785
Public Info Code: Y 18-FEB-2002	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Company-integrated foram and nanno report, 10580=Globorotalia multicamerata sinistral, 11240=possible top of shale sheath?, 12409=suture zone, with Miocene-Oligocene-Eocene mixed forams, 19620=possible top of shale sheath, in mix of Miocene-Oligocene-Eocene forams, 19680=possible normal section, 22330=Melonis 21, 22360=mixed, with mostly Upper Eocene, 27970=Globoquadrina altiformis dextral zone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 /10519	DEF AT first sample examined	DEF AT
10521 /10520	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10522 /10521	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10580 /10579	DEF AT local marker planktic foram increase	DEF AT
10639 /10638	DEF AT anhydrite	DEF AT
10640 /10639	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
10760 /10759	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10761 /10760	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10879 /10878	DEF AT anhydrite	DEF AT
10880 /10879	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
11000 /10999	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT
11030 /11029	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11119 /11118	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11120 /11119	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
11150 /11149	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11180 /11179	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
11210 /11209	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11239 /11238	POS AT gouge	DEF AT
11240 /11239	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
11300 /11299	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 153	<b>Date of Summary:</b> 01-DEC-2001	<b>First Sample Examined:</b> 10520
<b>Lease Number:</b> G13211	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28100
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28008
<b>API Well Number:</b> 608184002100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10520 - 28100	<b>Water Depth:</b> 4785
<b>Public Info Code:</b> Y 18-FEB-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11360 /11359	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11420 /11419	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
11449 /11448	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
11450 /11449	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
11479 /11478	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
11480 /11479	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT
11630 /11629	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
11689 /11688	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
11690 /11689	DEF AT salt	DEF AT
11720 /11719	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT
12409 /12407	DEF AT out-of-place section	DEF AT
12410 /12408	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19620 /19587	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
19630 /19597	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
19640 /19607	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
19680 /19647	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
22150 /22105	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
22289 /22244	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22290 /22245	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22300 /22255	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
22320 /22275	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22330 /22285	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22331 /22286	DEF AT local marker deep water fauna	DEF AT
22340 /22295	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 153	Date of Summary: 01-DEC-2001	First Sample Examined: 10520
Lease Number: G13211	Source of Paleo: OPERATOR	Borehole MD: 28100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28008
API Well Number: 608184002100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 10520 - 28100	Water Depth: 4785
Public Info Code: Y 18-FEB-2002	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22360 /22315	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
22370 /22325	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
22380 /22335	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
22390 /22345	DEF AT salt	DEF AT
24630 /24551	DEF AT base of salt	DEF AT
24631 /24552	DEF AT Upper (Late) Eocene	DEF AT
24680 /24600	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
24690 /24610	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT
24870 /24788	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
24950 /24867	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
25130 /25046	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
25430 /25345	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
25490 /25405	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26420 /26332	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
26690 /26602	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
26780 /26691	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
27760 /27669	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27970 /27878	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT
28100 /28008	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 23-MAY-2003	<b>First Sample Examined:</b> 20640
<b>Lease Number:</b> G23021	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25005
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 25000
<b>API Well Number:</b> 608184004200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20640 - 25000	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sturgis Prospect, 24560=massive radiolarian flood, 24830=rare Upper Paleocene Rzehakina epigona LAD with common red shale and deepwater Paleocene arenaceous fauna, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20640 /20639	DEF AT first sample examined	POS AT 6
20641 /20640	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS AT 6
20670 /20669	DEF AT - - - - -	DEF AT 6
20772 /20771	DEF AT siltstone	POS AT 6
20790 /20789	DEF AT local marker foram increase	DEF AT 6
20860 /20859	DEF AT - - - - -	DEF IN 4
20910 /20909	POS AT local marker foram increase	DEF IN 4
21000 /20999	DEF AT - - - - -	DEF AT 6
21090 /21089	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
21130 /21129	DEF AT local marker foram increase	DEF IN 4
21210 /21209	DEF AT - - - - -	DEF AT 6
21540 /21539	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21570 /21569	DEF AT local marker foram decrease	DEF AT 4
21690 /21689	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
21840 /21839	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21930 /21929	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21990 /21989	DEF AT local marker foram decrease	DEF AT 4
22070 /22069	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22129 /22128	DEF AT pyrite	DEF IN 4
22130 /22129	DEF AT local marker foram increase	DEF IN 4
22190 /22189	DEF AT pyrite	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 23-MAY-2003	<b>First Sample Examined:</b> 20640
<b>Lease Number:</b> G23021	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25005
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 25000
<b>API Well Number:</b> 608184004200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20640 - 25000	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22250 /22249	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
22310 /22309	DEF AT local marker foram decrease	DEF AT 4
22400 /22399	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22550 /22549	POS AT local marker foram increase	DEF AT 4
22580 /22579	DEF AT Bathysiphon fauna	DEF AT 4
22730 /22729	DEF AT local marker foram increase	DEF AT 4
22760 /22759	DEF AT local marker foram increase	DEF AT 4
22820 /22819	DEF AT local marker foram decrease	DEF AT 4
22970 /22969	DEF AT local marker foram increase	DEF AT 4
23000 /22999	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
23030 /23029	DEF AT local marker planktic foram increase	DEF AT 6
23060 /23059	DEF AT local marker foram decrease	DEF AT 6
23090 /23089	DEF AT faunal change (no faunal increase)	DEF IN 4
23120 /23119	DEF AT local marker planktic foram increase	DEF IN 4
23180 /23178	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4
23240 /23238	DEF AT local marker foram decrease	DEF IN 4
23270 /23268	DEF AT local marker foram increase	DEF IN 4
23300 /23298	DEF AT faunal change (no faunal increase)	DEF AT 4
23330 /23328	DEF AT local marker foram decrease	DEF AT 4
23390 /23388	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
23440 /23438	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
23450 /23448	DEF AT local marker foram decrease	DEF AT 4
23550 /23548	DEF AT pyrite	DEF AT 4
23990 /23987	DEF AT - - - - -	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 23-MAY-2003	<b>First Sample Examined:</b> 20640
<b>Lease Number:</b> G23021	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25005
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 25000
<b>API Well Number:</b> 608184004200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20640 - 25000	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24020 /24017	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
24169 /24165	DEF AT limestone	DEF AT 6
24170 /24166	DEF AT local marker foram decrease	DEF AT 6
24200 /24196	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
24260 /24256	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
24320 /24316	DEF AT foram flood	DEF IN 6
24380 /24375	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 6
24410 /24405	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
24440 /24435	DEF AT foram flood	DEF IN 6
24500 /24495	DEF AT faunal change (no faunal increase)	DEF AT 5
24529 /24524	DEF AT radiolarians	DEF AT 7
24530 /24525	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 7
24560 /24555	DEF AT radiolarians	DEF AT 7
24680 /24675	DEF AT radiolarians	DEF AT 7
24800 /24795	DEF AT Upper Paleocene Thanetian Stage	DEF AT 7
24829 /24824	DEF AT Arenaceous fauna (local marker)	DEF AT 6
24830 /24825	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 6
24859 /24854	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT 6
24860 /24855	DEF AT Upper Cretaceous (Maastrichtian) Gansserina gansseri	DEF AT 6
24900 /24895	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT 6
24930 /24925	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 6
24960 /24955	DEF AT local marker foram decrease	DEF AT 6
24980 /24975	POS AT Upper Cretaceous (Campanian) Globotruncana elevata	DEF AT 6
25000 /24995	DEF AT last sample examined	DEF AT 6

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 01-JUN-2003	<b>First Sample Examined:</b> 20704
<b>Lease Number:</b> G23021	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25005
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25000
<b>API Well Number:</b> 608184004200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 20704 - 25005	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Sturgis Prospect, calcareous nannofossil report, paleo done by Theresa MDunn, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20704 /20703	DEF AT first sample examined	DEF AT
20705 /20704	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20710 /20709	DEF AT local marker floral decrease	DEF AT
20790 /20789	DEF AT floral flood	DEF AT
20880 /20879	DEF AT local marker floral decrease	DEF AT
21000 /20999	DEF AT floral flood	DEF AT
21030 /21029	DEF AT local marker floral decrease	DEF AT
21120 /21119	DEF AT reworked material	DEF AT
21150 /21149	DEF AT local marker floral decrease	DEF AT
21300 /21299	DEF AT reworked material	DEF AT
21750 /21749	DEF AT local marker floral increase	DEF AT
21840 /21839	DEF AT local marker floral increase	DEF AT
21870 /21869	DEF AT local marker floral decrease	DEF AT
22070 /22069	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22160 /22159	DEF AT floral flood	DEF AT
22220 /22219	DEF AT local marker floral decrease	DEF AT
22250 /22249	DEF AT floral flood	DEF AT
22310 /22309	DEF AT local marker floral decrease	DEF AT
22430 /22429	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22520 /22519	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22700 /22699	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 182	Date of Summary: 01-JUN-2003	First Sample Examined: 20704
Lease Number: G23021	Source of Paleo: OPERATOR	Borehole MD: 25005
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25000
API Well Number: 608184004200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 20704 - 25005	Water Depth: 3710
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22730 /22729	DEF AT floral flood	DEF AT
22790 /22789	DEF AT local marker floral decrease	DEF AT
22910 /22909	DEF AT floral flood	DEF AT
22940 /22939	DEF AT local marker floral decrease	DEF AT
22970 /22969	DEF AT floral flood	DEF AT
23090 /23089	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23150 /23149	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23210 /23208	DEF AT local marker floral decrease	DEF AT
23300 /23298	DEF AT local marker floral increase	DEF AT
23330 /23328	DEF AT local marker floral decrease	DEF AT
23390 /23388	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23450 /23448	DEF AT local marker floral decrease	DEF AT
23510 /23508	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23660 /23658	DEF AT reworked material	DEF AT
23990 /23987	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
24050 /24047	DEF AT local marker floral decrease	DEF AT
24110 /24106	DEF AT local marker floral increase	DEF AT
24140 /24136	DEF AT local marker floral increase	DEF AT
24170 /24166	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24200 /24196	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
24320 /24316	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
24380 /24375	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
24410 /24405	DEF AT local marker floral increase	DEF AT
24440 /24435	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 01-JUN-2003	<b>First Sample Examined:</b> 20704
<b>Lease Number:</b> G23021	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25005
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25000
<b>API Well Number:</b> 608184004200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 20704 - 25005	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24530 /24525	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
24650 /24645	DEF AT local marker floral decrease	DEF AT
24680 /24675	DEF AT Lower Eocene (Ypresian) Tribraichius contortus	DEF AT
24710 /24705	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
24800 /24795	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
24830 /24825	DEF AT local marker floral decrease	DEF AT
24860 /24855	POS AT Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT
24960 /24955	DEF AT Upper Cretaceous (Campanian) Eiffellithus eximius	DEF AT
25005 /25000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 182	Date of Summary: 01-JUL-2003	First Sample Examined: 21660
Lease Number: G23022	Source of Paleo: OPERATOR	Borehole MD: 27739
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27500
API Well Number: 608184004201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 4	Sample Range: 21660 - 27570	Water Depth: 3710
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Sturgis Prospect, 26040=abundant pink siltstone and dead oil influx, 26130=red shale, 26370=faunal decline with abundant black organic material, 26840=black organic material? influx, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21660 /21659	DEF AT first sample examined	DEF AT 4
21750 /21749	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21780 /21779	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21840 /21839	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21870 /21869	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21930 /21929	DEF AT local marker foram decrease	DEF AT 4
22080 /22078	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22170 /22168	DEF AT local marker foram decrease	DEF AT 4
22320 /22317	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22350 /22347	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
22410 /22406	DEF AT local marker foram decrease	DEF AT 4
22620 /22613	DEF AT local marker foram increase	DEF AT 4
22680 /22672	DEF AT local marker foram increase	DEF AT 4
22770 /22761	DEF AT faunal change (no faunal increase)	DEF AT 4
22800 /22790	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
22830 /22819	DEF AT local marker foram decrease	DEF AT 4
23195 /23174	DEF AT local marker planktic foram increase	DEF AT 4
23250 /23227	DEF AT local marker foram decrease	DEF AT 4
23280 /23256	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 6
23310 /23285	DEF AT local marker foram decrease	DEF IN 4
23370 /23343	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 182	Date of Summary: 01-JUL-2003	First Sample Examined: 21660
Lease Number: G23022	Source of Paleo: OPERATOR	Borehole MD: 27739
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27500
API Well Number: 608184004201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 4	Sample Range: 21660 - 27570	Water Depth: 3710
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23430 /23401	DEF AT local marker foram decrease	DEF AT 4
23640 /23604	DEF AT limestone	DEF AT 4
24170 /24115	DEF AT pyrite	DEF AT 4
24300 /24241	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
24430 /24367	DEF AT out-of-place section	DEF AT 4
24480 /24416	DEF AT local marker foram decrease	DEF AT 4
24570 /24503	DEF AT local marker foram increase	DEF AT 4
24600 /24532	DEF AT reworked material	DEF AT 4
24630 /24561	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
24690 /24619	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24780 /24706	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
24869 /24791	DEF AT limestone	DEF AT 4
24870 /24792	DEF AT local marker foram decrease	DEF AT 4
24980 /24897	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 4
25020 /24935	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT 4
25079 /24990	DEF AT limestone	DEF AT 4
25080 /24991	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
25109 /25018	DEF AT limestone	DEF AT 4
25110 /25019	DEF AT local marker foram decrease	DEF AT 4
25140 /25047	DEF AT foram flood	DEF AT 6
25264 /25163	DEF AT local marker foram decrease	DEF AT 6
25320 /25214	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
25409 /25296	DEF AT limestone	DEF AT 6
25410 /25297	DEF AT radiolarians	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 182	Date of Summary: 01-JUL-2003	First Sample Examined: 21660
Lease Number: G23022	Source of Paleo: OPERATOR	Borehole MD: 27739
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27500
API Well Number: 608184004201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 4	Sample Range: 21660 - 27570	Water Depth: 3710
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25440 /25325	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
25499 /25379	DEF AT radiolarians	DEF AT 6
25500 /25380	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
25530 /25408	DEF AT foram flood	DEF AT 7
25589 /25462	DEF AT radiolarians	DEF AT 7
25590 /25463	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 7
25650 /25518	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 7
25680 /25545	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 7
25710 /25573	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 7
25740 /25600	POS AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF AT 7
25769 /25627	DEF AT radiolarians	DEF AT 7
25770 /25628	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 7
25800 /25655	DEF AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF AT 7
25860 /25710	DEF AT radiolarians	DEF AT 7
25890 /25738	DEF AT limestone	DEF AT 7
25979 /25820	DEF AT brown shale	DEF AT 7
25980 /25821	DEF AT local marker foram decrease	DEF AT 7
26040 /25877	DEF AT siltstone	DEF AT 7
26100 /25933	DEF AT radiolarians	DEF AT 7
26130 /25961	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF IN 6
26160 /25989	DEF AT radiolarians	DEF IN 6
26249 /26073	DEF AT limestone	DEF IN 6
26250 /26074	POS AT Arenaceous fauna (local marker)	DEF AT 6
26309 /26130	DEF AT pyrite	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 182  
Lease Number: G23022  
Well Name: 001  
API Well Number: 608184004201  
Paleo Report Num: 1 of 4  
Public Info Code: Y 19-OCT-2011

Date of Summary: 01-JUL-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 21660 - 27570  
Ecozone Eq MMS: Y

First Sample Examined: 21660  
Borehole MD: 27739  
Borehole TVD: 27500  
Rkb Elevation: 75  
Water Depth: 3710  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26310 /26130	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF IN 6
26339 /26158	DEF AT limestone	DEF AT 6
26340 /26159	DEF AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 6
26370 /26187	DEF AT local marker foram decrease	DEF AT 1
26430 /26244	DEF AT limestone	DEF AT 1
26699 /26501	DEF AT local marker planktic foram increase	DEF AT 1
26700 /26502	POS AT Lower Cretaceous Barremian Stage	DEF AT 1
26840 /26636	DEF AT local marker (general)	DEF AT 1
27300 /27078	DEF AT limestone	DEF AT 1
27390 /27164	DEF AT pyrite	DEF AT 1
27450 /27222	DEF AT pyrite	DEF AT 1
27480 /27251	DEF AT black shale	DEF AT 1
27540 /27309	DEF AT Upper Jurassic (Oxfordian) Globuligerina oxfordiana	DEF AT 1
27570 /27337	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 16-JUL-2003	<b>First Sample Examined:</b> 21660
<b>Lease Number:</b> G23022	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27739
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27500
<b>API Well Number:</b> 608184004201	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 21660 - 27570	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Sturgis Prospect, calcareous nannofossil report, 26490=Lower Aptian Nannoconus steinmannii acme with Nannoconus wasallii, 26910=significant nannoconid decline, 27480=Oxfordian age dinoflagellate Cyclagellasphaera (=Crussoilia) deflandrei LAD, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21660 /21659	DEF AT first sample examined	DEF AT
21661 /21660	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21720 /21719	DEF AT local marker floral decrease	DEF AT
21810 /21809	DEF AT local marker floral increase	DEF AT
21840 /21839	DEF AT local marker floral increase	DEF AT
21870 /21869	DEF AT local marker floral decrease	DEF AT
22050 /22049	DEF AT local marker floral increase	DEF AT
22080 /22078	DEF AT local marker floral decrease	DEF AT
22110 /22108	DEF AT local marker floral increase	DEF AT
22140 /22138	DEF AT local marker floral decrease	DEF AT
22230 /22227	DEF AT local marker floral increase	DEF AT
22260 /22257	DEF AT local marker floral decrease	DEF AT
22290 /22287	DEF AT local marker floral increase	DEF AT
22440 /22436	DEF AT floral flood	DEF AT
22470 /22465	DEF AT local marker floral decrease	DEF AT
22500 /22495	DEF AT floral flood	DEF AT
22620 /22613	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22740 /22731	DEF AT local marker floral decrease	DEF AT
22770 /22761	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22830 /22819	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 16-JUL-2003	<b>First Sample Examined:</b> 21660
<b>Lease Number:</b> G23022	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27739
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27500
<b>API Well Number:</b> 608184004201	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 21660 - 27570	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22890 /22878	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22980 /22965	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23010 /22995	DEF AT local marker floral increase	DEF AT
23130 /23111	DEF AT local marker floral decrease	DEF AT
23195 /23174	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23370 /23343	DEF AT floral flood	DEF AT
23400 /23372	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23460 /23430	DEF AT local marker floral decrease	DEF AT
23910 /23864	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24120 /24066	POS AT reworked material	DEF AT
24180 /24124	DEF AT local marker floral decrease	DEF AT
24570 /24503	DEF AT reworked material	DEF AT
24750 /24677	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
24780 /24706	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
24840 /24763	DEF AT local marker floral decrease	DEF AT
25080 /24991	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
25110 /25019	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25320 /25214	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
25350 /25242	POS AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
25410 /25297	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
25590 /25463	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
25620 /25490	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
25710 /25573	DEF AT local marker floral decrease	DEF AT
25800 /25655	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 16-JUL-2003	<b>First Sample Examined:</b> 21660
<b>Lease Number:</b> G23022	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27739
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27500
<b>API Well Number:</b> 608184004201	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 21660 - 27570	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25830 /25683	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
25920 /25766	DEF AT local marker floral decrease	DEF AT
26130 /25961	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
26189 /26016	DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF AT
26190 /26017	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
26250 /26074	DEF AT local marker floral decrease	DEF AT
26310 /26130	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
26339 /26158	DEF AT Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT
26340 /26159	DEF AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
26400 /26216	DEF AT Upper Cretaceous (Cenomanian) Microstaurus chiasmus	DEF AT
26460 /26272	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
26490 /26301	POS IN Lower Cretaceous (Aptian) Conusphaera rothii	DEF AT
26760 /26559	DEF AT Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
26910 /26703	DEF AT local marker floral decrease	DEF AT
27480 /27251	POS AT Upper Jurassic (Oxfordian) Discorhabdus jungii	DEF AT
27570 /27337	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 26340
<b>Lease Number:</b> G23022	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27739
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27500
<b>API Well Number:</b> 608184004201	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 26340 - 27739	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Sturgis Prospect, palynological (pollen, spores, dinoflagellates, acritarchs, fungal cells, miscellaneous algae, and foraminiferal chamber linings) report, Albian age at 26340 based on the presence of *Classopollis echinatus*, and the highest occurrences of *Druggidium* spp, ?Early Albian-?Late Aptian age at 27300 based on the LAD and sporadic occurrence of *Systematophora schindewolfii* and ?*Aprobolocysta* sp, possibly reworked, a suggestive break at 27450 may represent a transition between a more algal-dominated Lower section and an Upper section characterized by more marine microfossils, as well as both pollen and spores, palynomorphs were assessed a thermal alteration index (TAI) ranging from 3+/5 to 3/6+, the entire section is in the early oil through gas window, biofacies diversity and abundance changes and the similarity matrix was used to delineate boundary sequences, palynologic abundance, diversity chart, and similarity matrix grid available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26340 /26159	DEF AT first sample examined	DEF IN 1
26341 /26160	DEF IN Lower Cretaceous Albian Stage	DEF IN 1
26370 /26187	DEF AT local marker floral increase	DEF IN 1
26490 /26301	POS AT local marker floral increase	DEF IN 1
26550 /26358	DEF AT local marker floral increase	DEF IN 1
26669 /26472	DEF AT local marker floral decrease	DEF IN 1
26670 /26473	POS AT sequence boundary	DEF IN 1
26759 /26558	DEF AT local marker floral decrease	DEF IN 1
26760 /26559	POS AT maximum flooding surface	DEF IN 1
26820 /26617	DEF AT - - - - -	POS IN 1
26910 /26703	POS AT sequence boundary	POS AT 1
27150 /26934	DEF AT - - - - -	DEF IN 1
27180 /26963	POS AT maximum flooding surface	POS IN 1
27299 /27077	POS AT reworked material	DEF IN 1
27300 /27078	POS AT Lower Cretaceous Aptian Stage	DEF IN 1
27390 /27164	DEF AT local marker floral increase	DEF IN 1
27450 /27222	DEF AT local marker floral increase	DEF IN 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 182	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 26340
<b>Lease Number:</b> G23022	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27739
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27500
<b>API Well Number:</b> 608184004201	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 26340 - 27739	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27540 /27309	DEF AT local marker floral decrease	DEF IN 1
27600 /27366	DEF AT -----	DEF AT 1
27739 /27500	DEF AT last sample examined	DEF AT 1

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 182	Date of Summary: 02-NOV-2003	First Sample Examined: 26356
Lease Number: G23022	Source of Paleo: OPERATOR	Borehole MD: 27739
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27500
API Well Number: 608184004201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 4 of 4	Sample Range: 26356 - 27463	Water Depth: 3710
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Sturgis Prospect, calcareous nannofossil report based on sidewall cores, 26498=Lower Aptian Nannoconus steinmannii acme, 26910=significant nannoconid decline, may be entering Upper Jurassic section, 27462=Oxfordian age dinoflagellate Cyclagellasphaera (=Crussoilia) deflandrei LAD, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26356 /26174	DEF AT first sample examined	DEF AT
26357 /26175	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
26378 /26195	DEF AT Lower Cretaceous (Albian) Rucinolithus irregularis	DEF AT
26470 /26282	DEF AT local marker floral decrease	DEF AT
26482 /26293	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
26498 /26309	DEF IN Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
26499 /26309	DEF AT local marker floral increase	DEF AT
26630 /26434	DEF AT local marker floral decrease	DEF AT
26674 /26477	DEF AT local marker floral decrease	DEF AT
26753 /26552	DEF AT local marker floral increase	DEF AT
26770 /26569	DEF AT Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
26845 /26641	DEF IN Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
26914 /26707	DEF AT local marker floral decrease	DEF AT
26915 /26708	POS AT Jurassic	DEF AT 0
27362 /27137	DEF AT Upper Jurassic (Oxfordian) Discorhabdus jungii	DEF AT
27363 /27138	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 187	<b>Date of Summary:</b> 08-SEP-2002	<b>First Sample Examined:</b> 7300
<b>Lease Number:</b> G16870	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30010
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 29991
<b>API Well Number:</b> 608184003100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 7300 - 12300	<b>Water Depth:</b> 4062
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7300	DEF AT first sample examined	DEF AT
7301 / 7301	DEF IN Upper Pleistocene	DEF AT
7420 / 7420	DEF AT floral flood	DEF AT
7570 / 7570	DEF AT reworked material	DEF AT
8290 / 8289	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8380 / 8379	DEF AT floral flood	DEF AT
8470 / 8469	DEF AT reworked material	DEF AT
9310 / 9309	DEF AT floral flood	DEF AT
9580 / 9579	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9640 / 9639	DEF AT salt	DEF AT
9670 / 9669	DEF AT floral flood	DEF AT
9760 / 9759	DEF IN salt	DEF AT
9880 / 9879	DEF AT local marker floral increase	DEF AT
9910 / 9909	DEF IN salt	DEF AT
9970 / 9969	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 187	<b>Date of Summary:</b> 09-SEP-2002	<b>First Sample Examined:</b> 7300
<b>Lease Number:</b> G16870	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30010
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 29991
<b>API Well Number:</b> 608184003100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 7300 - 30010	<b>Water Depth:</b> 4062
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** 11350=Middle Eocene (Bartonian) Globigerina higginsii LAD, 20760=probable Lower Pliocene normal section

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7300	DEF AT first sample examined	DEF AT 4
7301 / 7301	DEF IN Upper Pleistocene	DEF AT 4
7420 / 7420	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7450 / 7450	DEF AT local marker foram decrease	DEF AT 5
7510 / 7510	DEF AT foram flood	DEF AT 5
7540 / 7540	DEF AT local marker foram decrease	DEF IN 4
7630 / 7630	DEF AT local marker planktic foram increase	DEF IN 4
7660 / 7660	DEF AT local marker foram decrease	DEF IN 4
7720 / 7720	DEF AT local marker foram increase	DEF IN 4
8260 / 8259	DEF AT Illinoian fauna (local marker)	DEF IN 4
8470 / 8469	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
9040 / 9039	DEF AT local marker foram increase	DEF IN 4
9070 / 9069	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
9130 / 9129	DEF AT local marker foram increase	DEF IN 4
9220 / 9219	DEF AT local marker foram decrease	DEF IN 4
9250 / 9249	DEF AT local marker planktic foram increase	DEF IN 4
9280 / 9279	DEF AT foram flood	DEF IN 4
9370 / 9369	DEF AT local marker foram decrease	DEF IN 4
9550 / 9549	DEF AT local marker foram increase	DEF IN 4
9580 / 9579	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9610 / 9609	DEF AT faunal change (no faunal increase)	DEF IN 4
9640 / 9639	DEF AT salt	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 187  
Lease Number: G16870  
Well Name: 001  
API Well Number: 608184003100  
Paleo Report Num: 2 of 3  
Public Info Code: Y 31-JUL-2006

Date of Summary: 09-SEP-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 7300 - 30010  
Ecozone Eq MMS: Y

First Sample Examined: 7300  
Borehole MD: 30010  
Borehole TVD: 29991  
Rkb Elevation: 92  
Water Depth: 4062  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11109 /11108	DEF AT unconformity	DEF AT 4
11110 /11109	DEF AT Lower (Early) Paleocene	DEF AT 4
11230 /11229	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 4
11260 /11259	DEF AT - - - - -	DEF AT 5
11289 /11288	DEF AT radiolarians	DEF AT 5
11290 /11289	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
11350 /11349	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 4
11380 /11379	POS AT salt	POS IN 4
18884 /18877	DEF AT base of salt	DEF AT
18885 /18878	DEF AT Lower Cretaceous Albian Stage	DEF AT
18990 /18983	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT
19020 /19013	DEF AT - - - - -	DEF AT 4
19050 /19043	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 4
19080 /19073	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
19140 /19133	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
19170 /19163	DEF AT out-of-place section	DEF AT 4
19230 /19223	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
19260 /19253	DEF AT out-of-place section	DEF AT 4
19320 /19313	DEF AT limestone	DEF AT 4
19440 /19432	DEF AT local marker foram decrease	DEF AT 4
19590 /19582	DEF AT faunal change (no faunal increase)	DEF IN 4
19710 /19702	DEF AT foram flood	DEF IN 4
19739 /19731	DEF AT radiolarians	DEF IN 4
19740 /19732	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 187  
Lease Number: G16870  
Well Name: 001  
API Well Number: 608184003100  
Paleo Report Num: 2 of 3  
Public Info Code: Y 31-JUL-2006

Date of Summary: 09-SEP-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 7300 - 30010  
Ecozone Eq MMS: Y

First Sample Examined: 7300  
Borehole MD: 30010  
Borehole TVD: 29991  
Rkb Elevation: 92  
Water Depth: 4062  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19800 /19792	DEF AT local marker foram decrease	DEF AT 4
19890 /19882	DEF AT local marker foram increase	DEF AT 4
20100 /20091	DEF AT faunal change (no faunal increase)	DEF IN 3
20130 /20121	DEF AT local marker foram decrease	DEF IN 3
20760 /20751	POS IN Pliocene	DEF IN 3
21180 /21170	DEF AT pyrite	DEF IN 3
21210 /21200	DEF AT reworked material	DEF IN 3
21270 /21260	DEF AT local marker foram decrease	DEF IN 3
21620 /21610	DEF AT local marker foram increase	DEF IN 3
21650 /21640	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 3
21890 /21880	DEF AT local marker foram decrease	DEF AT 4
22010 /22000	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
22040 /22030	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22130 /22120	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
22250 /22240	DEF AT local white Arenaceous fauna	DEF AT 4
22340 /22329	DEF AT local marker foram decrease	DEF AT 4
22670 /22659	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
22730 /22719	DEF AT local marker foram decrease	DEF AT 4
23000 /22989	DEF AT local marker planktic foram increase	DEF AT 4
23210 /23199	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23360 /23349	DEF AT local marker planktic foram increase	DEF AT 4
23420 /23409	DEF AT local marker foram decrease	DEF AT 4
23570 /23559	DEF AT local white Arenaceous fauna	DEF AT 4
23630 /23619	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 187	Date of Summary: 09-SEP-2002	First Sample Examined: 7300
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29991
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7300 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23660 /23649	DEF AT local marker planktic foram increase	DEF AT 4
23690 /23679	DEF AT local marker foram decrease	DEF AT 4
23780 /23769	POS AT local marker planktic foram increase	DEF AT 4
23840 /23829	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
23930 /23919	DEF AT local marker foram increase	DEF AT 4
23990 /23979	DEF AT local marker foram decrease	DEF AT 4
24080 /24069	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24170 /24159	DEF AT Bathysiphon fauna	DEF AT 4
24200 /24189	DEF AT pyrite	DEF AT 4
24230 /24219	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24260 /24249	DEF AT local marker foram decrease	DEF AT 4
24590 /24579	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24650 /24639	DEF AT Bathysiphon fauna	DEF AT 4
24950 /24939	DEF AT local marker foram increase	DEF IN 4
25070 /25059	DEF AT local marker foram decrease	DEF IN 4
25100 /25089	DEF AT - - - - -	DEF AT 4
25249 /25238	DEF AT pyrite	DEF AT 4
25250 /25239	DEF AT local white Arenaceous fauna	DEF AT 4
25910 /25899	DEF AT pyrite	DEF IN 4
26060 /26049	DEF AT Arenaceous fauna (local marker)	DEF IN 4
26090 /26079	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF IN 4
26120 /26109	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
26150 /26139	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26210 /26199	DEF AT local marker foram decrease	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 187  
Lease Number: G16870  
Well Name: 001  
API Well Number: 608184003100  
Paleo Report Num: 2 of 3  
Public Info Code: Y 31-JUL-2006

Date of Summary: 09-SEP-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 7300 - 30010  
Ecozone Eq MMS: Y

First Sample Examined: 7300  
Borehole MD: 30010  
Borehole TVD: 29991  
Rkb Elevation: 92  
Water Depth: 4062  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26330 /26318	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
26450 /26438	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
26599 /26587	DEF AT pyrite	DEF IN 4
26600 /26588	DEF AT local marker foram increase	DEF IN 4
26630 /26618	DEF AT Eggerella sp. (local marker)	DEF IN 4
26720 /26708	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
26840 /26828	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
26870 /26858	DEF AT pyrite	DEF IN 4
27020 /27008	DEF AT - - - - -	DEF AT 4
27050 /27038	DEF AT Bathysiphon fauna	DEF AT 4
27230 /27218	DEF AT local marker foram increase	DEF AT 4
27320 /27308	DEF AT local marker foram decrease	DEF AT 4
27560 /27548	DEF AT pyrite	DEF AT 4
27740 /27728	DEF AT local marker foram decrease	DEF AT 4
27800 /27788	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
27890 /27878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
27980 /27968	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
28460 /28447	DEF AT local marker foram increase	DEF IN 4
28520 /28506	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
28550 /28536	DEF AT - - - - -	DEF AT 5
28580 /28566	DEF AT - - - - -	DEF AT 5
28640 /28626	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
28700 /28686	DEF AT local marker foram decrease	DEF IN 4
28910 /28895	DEF AT local marker benthic foram increase	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 187  
Lease Number: G16870  
Well Name: 001  
API Well Number: 608184003100  
Paleo Report Num: 2 of 3  
Public Info Code: Y 31-JUL-2006

Date of Summary: 09-SEP-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 7300 - 30010  
Ecozone Eq MMS: Y

First Sample Examined: 7300  
Borehole MD: 30010  
Borehole TVD: 29991  
Rkb Elevation: 92  
Water Depth: 4062  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29068 /29053	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
29240 /29224	DEF AT local marker foram decrease	DEF IN 4
29450 /29434	DEF AT local marker foram increase	DEF IN 4
29480 /29463	DEF AT Arenaceous fauna (local marker)	DEF IN 4
29510 /29493	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
29600 /29583	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
29660 /29643	DEF AT Arenaceous fauna (local marker)	DEF IN 4
29720 /29702	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
29840 /29822	DEF AT local marker foram increase	DEF AT 5
29870 /29852	DEF AT local marker foram decrease	DEF AT 5
30010 /29991	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 187	Date of Summary: 14-OCT-2002	First Sample Examined: 18885
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29991
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 3	Sample Range: 18885 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, mixed or jumbled nannofossil section from 19360 to 20760 of various Cenozoic-Mesozoic ages

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18885 /18878	DEF AT first sample examined	DEF AT
18886 /18879	DEF IN Lower Cretaceous Aptian Stage	DEF AT
18887 /18880	DEF AT limestone	DEF AT
18920 /18913	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
19020 /19013	DEF AT Lower Paleocene Danian Stage	DEF AT
19040 /19033	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
19050 /19043	DEF AT Middle Eocene	DEF AT
19080 /19073	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19110 /19103	DEF AT out-of-place section	DEF AT
19160 /19153	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19170 /19163	DEF AT out-of-place section	DEF AT
19280 /19273	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19290 /19283	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19360 /19352	DEF AT out-of-place section	DEF AT
19590 /19582	DEF AT local marker floral increase	DEF AT
19920 /19911	DEF AT floral flood	DEF AT
20760 /20751	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21120 /21110	DEF AT reworked material	DEF AT
21650 /21640	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22010 /22000	DEF AT local marker floral increase	DEF AT
22190 /22180	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
22640 /22629	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 187  
 Lease Number: G16870  
 Well Name: 001  
 API Well Number: 608184003100  
 Paleo Report Num: 3 of 3  
 Public Info Code: Y 31-JUL-2006

Date of Summary: 14-OCT-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 18885 - 30010  
 Ecozone Eq MMS:

First Sample Examined: 18885  
 Borehole MD: 30010  
 Borehole TVD: 29991  
 Rkb Elevation: 92  
 Water Depth: 4062  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22670 /22659	DEF AT local marker floral increase	DEF AT
22970 /22959	DEF AT floral flood	DEF AT
23330 /23319	DEF AT local marker floral increase	DEF AT
23630 /23619	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23840 /23829	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
23930 /23919	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
24320 /24309	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
24500 /24489	DEF AT local marker floral increase	DEF AT
24950 /24939	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26330 /26318	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26990 /26978	DEF AT local marker floral increase	DEF AT
27080 /27068	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
27620 /27608	DEF AT local marker floral increase	DEF AT
27680 /27668	DEF AT local marker floral increase	DEF AT
27800 /27788	DEF AT local marker floral increase	DEF AT
27830 /27818	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
27950 /27938	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
28010 /27997	DEF AT floral flood	DEF AT
28490 /28476	DEF AT local marker floral increase	DEF AT
28610 /28596	DEF AT local marker floral increase	DEF AT
28880 /28865	DEF AT local marker floral increase	DEF AT
29030 /29015	DEF AT local marker floral increase	DEF AT
29060 /29045	DEF AT floral flood	DEF AT
29510 /29493	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 187  
 Lease Number: G16870  
 Well Name: 001  
 API Well Number: 608184003100  
 Paleo Report Num: 3 of 3  
 Public Info Code: Y 31-JUL-2006

Date of Summary: 14-OCT-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 18885 - 30010  
 Ecozone Eq MMS:

First Sample Examined: 18885  
 Borehole MD: 30010  
 Borehole TVD: 29991  
 Rkb Elevation: 92  
 Water Depth: 4062  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29840 /29822	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
30010 /29991	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 194	<b>Date of Summary:</b> 01-NOV-2001	<b>First Sample Examined:</b> 7700
<b>Lease Number:</b> G16874	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8465
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8465
<b>API Well Number:</b> 608184002500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 7700 - 8270	<b>Water Depth:</b> 4585
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Sawtooth Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7700 / 7698	DEF AT first sample examined	DEF IN 4
7701 / 7699	DEF IN Upper (Late) Miocene	DEF IN 4
7760 / 7758	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
7880 / 7878	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT
7970 / 7968	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
8000 / 7998	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8090 / 8088	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
8269 / 8267	DEF AT salt	DEF AT
8270 / 8268	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 7700
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 8465
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8465
API Well Number: 608184002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 4	Sample Range: 7700 - 8300	Water Depth: 4585
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Sawtooth Prospect, company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7700 / 7698	DEF AT first sample examined	DEF IN 4
7701 / 7699	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 4
7760 / 7758	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
7761 / 7759	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
7820 / 7818	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
7910 / 7908	DEF AT - - - - -	DEF AT 4
7940 / 7938	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 4
7970 / 7968	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
8030 / 8028	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
8090 / 8088	DEF AT local marker benthic foram increase	DEF AT 4
8180 / 8178	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
8240 / 8238	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
8270 / 8268	DEF AT salt	DEF AT 4
8300 / 8298	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 194	<b>Date of Summary:</b> 04-FEB-2002	<b>First Sample Examined:</b> 7700
<b>Lease Number:</b> G16874	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8465
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8465
<b>API Well Number:</b> 608184002500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 7700 - 8270	<b>Water Depth:</b> 4585
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Sawtooth Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7700 / 7698	DEF AT first sample examined	DEF AT
7701 / 7699	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7760 / 7758	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7820 / 7818	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7940 / 7938	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
7970 / 7968	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8240 / 8238	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
8269 / 8267	DEF AT salt	DEF AT
8270 / 8268	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 194	<b>Date of Summary:</b> 04-FEB-2002	<b>First Sample Examined:</b> 7700
<b>Lease Number:</b> G16874	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8465
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8465
<b>API Well Number:</b> 608184002500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 7700 - 8465	<b>Water Depth:</b> 4585
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Sawtooth Prospect, paleo done by Bruce Robertson

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7700 / 7698	DEF AT first sample examined	DEF AT
7701 / 7699	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
7760 / 7758	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
8030 / 8028	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8120 / 8118	DEF AT local marker benthic foram increase	DEF AT
8180 / 8178	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT
8300 / 8298	DEF IN salt	DEF AT
8465 / 8463	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 7830
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 18770
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18763
API Well Number: 608184002501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 3	Sample Range: 7830 - 18760	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Sawtooth Prospect, company-integrated foram and nanno report, no determinate ages below the salt, may be Discoaster berggrenii A with much reworking

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7830 / 7828	DEF AT first sample examined	DEF AT
7831 / 7829	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7920 / 7918	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
7980 / 7978	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8030 / 8028	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
8180 / 8178	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT
8200 / 8198	DEF AT salt	DEF AT
8230 / 8228	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17050 /17044	DEF AT base of salt	DEF AT
18760 /18753	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 8600
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 18770
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18763
API Well Number: 608184002501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 3	Sample Range: 8600 - 18770	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Sawtooth Prospect, 16980=base of salt from E-log

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8600 / 8598	DEF AT first sample examined	DEF AT
8601 / 8599	DEF IN salt	DEF AT
16980 /16974	DEF AT base of salt	DEF AT
17270 /17264	DEF AT local marker foram decrease	DEF AT
17450 /17443	DEF AT local marker foram decrease	DEF AT
17570 /17563	DEF AT local marker foram increase	DEF AT
17990 /17983	DEF AT local marker foram increase	DEF AT
18170 /18163	DEF AT local marker foram increase	DEF AT
18580 /18573	DEF AT local marker foram increase	DEF AT
18640 /18633	DEF AT local marker foram decrease	DEF AT
18760 /18753	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 194	<b>Date of Summary:</b> 04-FEB-2002	<b>First Sample Examined:</b> 7830
<b>Lease Number:</b> G16874	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18770
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18763
<b>API Well Number:</b> 608184002501	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 7830 - 18760	<b>Water Depth:</b> 4562
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Sawtooth Prospect, calcareous nannofossil report, paleo done by Richard Constans, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7830 / 7828	DEF AT first sample examined	DEF AT
7831 / 7829	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7920 / 7918	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
7980 / 7978	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8200 / 8198	DEF AT salt	DEF AT
8230 / 8228	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17050 /17044	DEF AT base of salt	DEF AT
18760 /18753	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 194	<b>Date of Summary:</b> 07-JAN-2002	<b>First Sample Examined:</b> 17070
<b>Lease Number:</b> G16874	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22421
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22405
<b>API Well Number:</b> 608184002502	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 17070 - 22418	<b>Water Depth:</b> 4562
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Sawtooth Prospect, original hole and bypass report, 21850=Middle Miocene Globoquadrina altispira coiling change

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17070 /17064	DEF AT first sample examined	DEF IN 3
17100 /17094	DEF AT out-of-place section	DEF IN 3
17130 /17124	DEF AT - - - - -	DEF AT 4
17250 /17244	DEF AT local marker foram decrease	DEF AT 4
17400 /17393	DEF AT out-of-place section	DEF AT 4
17730 /17723	DEF AT - - - - -	DEF AT 3
17940 /17933	DEF AT local marker benthic foram increase	DEF IN 3
18550 /18541	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
19240 /19228	DEF AT - - - - -	DEF AT 4
19360 /19348	POS AT local white Arenacous fauna	DEF IN 4
19480 /19467	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
19720 /19706	DEF AT local marker foram decrease	DEF AT 4
19929 /19915	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
19930 /19916	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
20470 /20455	DEF AT local marker benthic foram increase	DEF AT 4
20919 /20904	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
20920 /20905	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
21040 /21025	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21070 /21055	DEF AT local marker foram decrease	DEF IN 3
21400 /21385	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
21430 /21415	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21490 /21475	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 194  
Lease Number: G16874  
Well Name: 002  
API Well Number: 608184002502  
Paleo Report Num: 1 of 4  
Public Info Code: Y 31-JUL-2006

Date of Summary: 07-JAN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 17070 - 22418  
Ecozone Eq MMS: Y

First Sample Examined: 17070  
Borehole MD: 22421  
Borehole TVD: 22405  
Rkb Elevation: 94  
Water Depth: 4562  
Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21728 /21713	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21729 /21714	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
21730 /21715	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
21749 /21734	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
21750 /21735	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
21810 /21795	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 3
21850 /21835	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4
21999 /21984	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
22000 /21985	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
22030 /22015	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 4
22059 /22044	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
22060 /22045	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF IN 4
22089 /22074	DEF AT Lower Miocene (Aquitanean) Globigerinoides primordius	DEF IN 4
22090 /22075	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF IN 4
22119 /22104	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
22120 /22105	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22270 /22254	DEF AT foram flood	DEF IN 5
22418 /22402	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 194	<b>Date of Summary:</b> 08-JAN-2002	<b>First Sample Examined:</b> 18760
<b>Lease Number:</b> G16874	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22421
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22405
<b>API Well Number:</b> 608184002502	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 18760 - 22418	<b>Water Depth:</b> 4562
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Sawtooth Prospect, paleo done by Bruce Robertson, 18820=selenite

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18760 /18750	DEF AT first sample examined	DEF AT
18820 /18810	DEF AT gypsum	DEF AT
19360 /19348	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
19600 /19587	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
19630 /19616	DEF AT reworked material	DEF AT
19840 /19826	DEF AT calcite	DEF AT
19960 /19946	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
20470 /20455	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
20590 /20575	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
20770 /20755	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
20920 /20905	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT
20980 /20965	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT
21280 /21265	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
21460 /21445	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
21490 /21475	DEF AT local marker foram increase	DEF AT
21640 /21625	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
21820 /21805	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
21940 /21925	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
21941 /21926	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
22090 /22075	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT
22119 /22104	DEF AT limestone	DEF AT
22120 /22105	DEF AT local marker planktic foram increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 194  
 Lease Number: G16874  
 Well Name: 002  
 API Well Number: 608184002502  
 Paleo Report Num: 2 of 4  
 Public Info Code: Y 31-JUL-2006

Date of Summary: 08-JAN-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 18760 - 22418  
 Ecozone Eq MMS:

First Sample Examined: 18760  
 Borehole MD: 22421  
 Borehole TVD: 22405  
 Rkb Elevation: 94  
 Water Depth: 4562  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22150 /22134	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
22240 /22224	POS IN Lower Oligocene (Rupelian) Discorbis "D"	DEF AT
22268 /22252	DEF AT local marker planktic foram increase	DEF AT
22269 /22253	POS AT reworked material	DEF AT
22270 /22254	POS AT Lower Oligocene (Rupelian) Globorotalia increbes cens	DEF AT
22418 /22402	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 194	<b>Date of Summary:</b> 04-FEB-2002	<b>First Sample Examined:</b> 17520
<b>Lease Number:</b> G16874	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22421
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22405
<b>API Well Number:</b> 608184002502	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 17520 - 22418	<b>Water Depth:</b> 4562
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sawtooth Prospect, company-integrated foram and nanno report, 21820=Globoquadrina altispira coiling change, 22240=Globigerina gortanii

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17520 /17513	DEF AT first sample examined	DEF AT 3
17530 /17523	DEF AT out-of-place section	POS AT 3
17940 /17933	DEF AT faunal change (no faunal increase)	DEF IN 3
18280 /18272	DEF AT reworked material	POS AT 3
18310 /18302	DEF AT local marker floral increase	POS AT 3
18550 /18541	DEF AT reworked material	POS AT 3
18551 /18542	POS AT Upper Miocene (Tortonian) Minylitha convallis	POS AT 3
18760 /18750	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 3
18761 /18751	DEF AT local marker floral increase	POS IN 3
19240 /19228	DEF AT faunal change (no faunal increase)	DEF AT 4
19360 /19348	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
19420 /19407	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4
19600 /19587	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
19720 /19706	DEF AT faunal change (no faunal increase)	DEF AT 4
19810 /19796	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
19930 /19916	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
19960 /19946	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
20470 /20455	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
20500 /20485	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 4
20590 /20575	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
20650 /20635	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
20920 /20905	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 17520
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 3 of 4	Sample Range: 17520 - 22418	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20980 /20965	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
21070 /21055	DEF AT - - - - -	DEF IN 3
21100 /21085	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 3
21279 /21264	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 3
21280 /21265	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
21430 /21415	DEF AT - - - - -	DEF AT 4
21460 /21445	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
21640 /21625	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21670 /21655	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
21700 /21685	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
21810 /21795	DEF AT - - - - -	DEF IN 3
21820 /21805	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF IN 3
21850 /21835	DEF AT - - - - -	DEF IN 4
21940 /21925	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
21941 /21926	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 4
22000 /21985	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 4
22090 /22075	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 4
22120 /22105	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 4
22150 /22134	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
22240 /22224	DEF AT local marker planktic foram increase	DEF IN 4
22270 /22254	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 4
22418 /22402	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 17520
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 4 of 4	Sample Range: 17520 - 22390	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Sawtooth Prospect, calcareous nannofossil report, paleo done by Richard Constans, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17520 /17513	DEF AT first sample examined	DEF AT
18760 /18750	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19420 /19407	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19600 /19587	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19810 /19796	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19930 /19916	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20500 /20485	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
20650 /20635	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21100 /21085	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21280 /21265	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21670 /21655	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21699 /21684	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21700 /21685	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22000 /21985	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22120 /22105	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
22270 /22254	DEF IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
22389 /22373	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
22390 /22374	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 261	<b>Date of Summary:</b> 27-NOV-2002	<b>First Sample Examined:</b> 11300
<b>Lease Number:</b> G16890	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21140
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21129
<b>API Well Number:</b> 608184003500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11300 - 21140	<b>Water Depth:</b> 8344
<b>Public Info Code:</b> Y 07-DEC-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /11300	DEF AT first sample examined	DEF IN 4
11360 /11360	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
11660 /11660	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
12680 /12679	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
13250 /13244	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
14120 /14113	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
14270 /14263	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
14660 /14653	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 4
14690 /14683	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
14900 /14893	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
16250 /16242	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
16280 /16272	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
16940 /16932	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
17840 /17831	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
18500 /18490	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
19850 /19840	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
20120 /20110	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
20420 /20410	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
20720 /20710	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
20780 /20769	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 4
20840 /20829	DEF AT out-of-place section	DEF IN 4
21140 /21129	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 261	<b>Date of Summary:</b> 27-NOV-2002	<b>First Sample Examined:</b> 11300
<b>Lease Number:</b> G16890	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21140
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21129
<b>API Well Number:</b> 608184003500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11300 - 21140	<b>Water Depth:</b> 8344
<b>Public Info Code:</b> Y 07-DEC-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /11300	DEF AT first sample examined	DEF AT
12260 /12260	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13100 /13095	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13280 /13274	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13790 /13783	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
14240 /14233	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14300 /14293	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14540 /14533	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14660 /14653	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14870 /14863	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15110 /15103	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15200 /15193	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15710 /15703	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15800 /15792	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16190 /16182	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16220 /16212	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16310 /16302	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16370 /16362	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16430 /16422	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16940 /16932	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17360 /17351	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18410 /18400	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 261	<b>Date of Summary:</b> 27-NOV-2002	<b>First Sample Examined:</b> 11300
<b>Lease Number:</b> G16890	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21140
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21129
<b>API Well Number:</b> 608184003500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11300 - 21140	<b>Water Depth:</b> 8344
<b>Public Info Code:</b> Y 07-DEC-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19010 /19000	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19850 /19840	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20210 /20200	DEF AT out-of-place section	DEF AT
20750 /20739	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
20780 /20769	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20840 /20829	DEF AT out-of-place section	DEF AT
21140 /21129	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 267	<b>Date of Summary:</b> 07-FEB-2005	<b>First Sample Examined:</b> 17870
<b>Lease Number:</b> G18537	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32627
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 32613
<b>API Well Number:</b> 608184005000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 17870 - 32627	<b>Water Depth:</b> 3341
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Vrede Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17870 /17867	DEF AT first sample examined	DEF AT 3
17900 /17897	DEF AT transported shelf fauna	POS AT 3
18169 /18166	DEF AT transported shelf fauna	DEF AT 4
18170 /18167	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
18199 /18196	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
18200 /18197	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
18230 /18227	DEF AT transported outer shelf facies	POS IN 3
18260 /18257	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
18320 /18317	DEF AT turbid water facies	DEF IN 3
18350 /18347	DEF AT local marker planktic foram increase	DEF AT 4
18410 /18406	DEF AT transported shelf fauna	DEF AT 4
18590 /18586	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
18680 /18676	DEF AT transported shelf fauna	POS AT 4
18830 /18826	DEF AT turbid water facies	POS AT 4
18859 /18855	DEF AT turbid water facies	DEF AT 4
18860 /18856	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
18980 /18976	DEF AT transported shelf fauna	DEF AT 4
19100 /19095	DEF AT -----	DEF AT 5
19130 /19125	DEF AT -----	DEF AT 4
19220 /19215	DEF AT transported shelf fauna	DEF AT 4
19293 /19288	DEF AT -----	DEF IN 3
19400 /19395	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 267	<b>Date of Summary:</b> 07-FEB-2005	<b>First Sample Examined:</b> 17870
<b>Lease Number:</b> G18537	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32627
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 32613
<b>API Well Number:</b> 608184005000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 17870 - 32627	<b>Water Depth:</b> 3341
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19460 /19455	DEF AT -----	DEF IN 3
19490 /19484	DEF AT -----	DEF AT 4
19550 /19544	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
20000 /19994	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
20090 /20083	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20150 /20143	DEF AT -----	DEF AT 4
20270 /20263	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
20300 /20293	DEF AT -----	DEF AT 4
20330 /20323	DEF AT limestone	DEF AT 4
20360 /20353	DEF AT local marker planktic foram increase	DEF AT 4
20389 /20382	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
20390 /20383	DEF AT salt weld	DEF AT 4
20420 /20413	DEF AT out-of-place section	DEF AT 4
20510 /20502	DEF AT -----	DEF AT 5
20540 /20532	DEF AT -----	DEF AT 4
20568 /20560	DEF AT reworked material	DEF AT 4
20569 /20561	DEF AT radiolarians	DEF AT 4
20570 /20562	POS AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 4
20600 /20592	DEF AT -----	DEF AT 5
20690 /20682	DEF AT base of salt	POS AT 5
20750 /20742	DEF AT -----	DEF AT 4
20780 /20771	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
20960 /20951	DEF AT local marker planktic foram increase	DEF AT 4
21080 /21071	DEF AT local marker planktic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 267	Date of Summary: 07-FEB-2005	First Sample Examined: 17870
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 17870 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21200 /21190	DEF AT turbid water facies	POS AT 4
21350 /21340	DEF AT turbid water facies	DEF AT 4
21590 /21580	DEF AT turbid water facies	POS AT 4
21710 /21700	DEF AT - - - - -	DEF AT 4
21830 /21820	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21980 /21970	DEF AT turbid water facies	POS AT 4
22850 /22840	DEF AT - - - - -	DEF AT 4
23059 /23049	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
23060 /23050	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
23090 /23080	DEF AT turbid water facies	DEF AT 4
23150 /23140	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23270 /23260	DEF AT turbid water facies	POS AT 4
23390 /23380	DEF AT - - - - -	DEF AT 4
23420 /23410	DEF AT turbid water facies	DEF AT 4
23720 /23710	DEF AT turbid water facies	POS AT 4
23780 /23770	DEF AT turbid water facies	POS AT 4
23870 /23860	DEF AT Cyclammina cancellata (local marker)	POS AT 4
23930 /23920	DEF AT local marker benthic foram increase	DEF AT 4
24050 /24040	DEF AT turbid water facies	POS AT 4
24109 /24099	DEF AT turbid water facies	POS AT 4
24110 /24100	DEF AT Cyclammina cancellata (local marker)	POS AT 4
24200 /24190	DEF AT - - - - -	DEF AT 5
24290 /24280	DEF AT - - - - -	DEF AT 4
24440 /24430	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 267  
 Lease Number: G18537  
 Well Name: 001  
 API Well Number: 608184005000  
 Paleo Report Num: 1 of 3  
 Public Info Code: Y 30-APR-2007

Date of Summary: 07-FEB-2005  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 17870 - 32627  
 Ecozone Eq MMS: Y

First Sample Examined: 17870  
 Borehole MD: 32627  
 Borehole TVD: 32613  
 Rkb Elevation: 75  
 Water Depth: 3341  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24650 /24640	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
24680 /24670	DEF AT -----	DEF AT 4
25489 /25479	DEF AT turbid water facies	DEF AT 4
25490 /25480	DEF AT Bathysiphon fauna	DEF AT 4
25940 /25930	DEF AT -----	DEF IN 3
26120 /26110	DEF AT -----	DEF AT 4
26540 /26530	DEF AT turbid water facies	POS AT 4
26630 /26620	DEF AT turbid water facies	POS AT 4
26720 /26710	DEF AT turbid water facies	POS AT 4
26750 /26740	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
26810 /26800	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
26900 /26890	DEF AT turbid water facies	POS AT 4
26990 /26980	DEF AT turbid water facies	POS AT 4
27230 /27220	DEF AT turbid water facies	POS AT 4
27350 /27340	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
27440 /27430	DEF AT turbid water facies	POS AT 5
27470 /27460	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
27500 /27490	DEF AT -----	DEF AT 4
27680 /27670	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
27740 /27730	DEF AT local marker benthic foram increase	DEF AT 4
27890 /27880	DEF AT -----	DEF AT 5
27920 /27910	DEF AT -----	DEF AT 4
28040 /28030	DEF AT local marker planktic foram increase	DEF AT 5
28220 /28210	DEF AT -----	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 267	<b>Date of Summary:</b> 07-FEB-2005	<b>First Sample Examined:</b> 17870
<b>Lease Number:</b> G18537	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32627
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 32613
<b>API Well Number:</b> 608184005000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 17870 - 32627	<b>Water Depth:</b> 3341
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28340 /28329	DEF AT - - - - -	DEF AT 4
28460 /28449	DEF AT turbid water facies	POS AT 4
28490 /28479	DEF AT - - - - -	DEF AT 4
28610 /28599	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
28760 /28749	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
28790 /28779	DEF AT faunal change (no faunal increase)	DEF AT 4
28940 /28929	DEF AT local marker planktic foram increase	DEF AT 4
29630 /29619	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
29750 /29739	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
29780 /29769	DEF AT - - - - -	DEF AT 4
30230 /30219	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
30319 /30308	DEF AT turbid water facies	POS AT 4
30320 /30309	DEF AT Arenaceous fauna (local marker)	POS AT 4
30410 /30399	DEF AT - - - - -	DEF AT 4
30500 /30489	DEF AT turbid water facies	POS AT 4
30560 /30549	DEF AT - - - - -	DEF AT 4
30680 /30669	DEF AT local marker planktic foram increase	DEF AT 4
30950 /30938	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
31070 /31058	DEF AT - - - - -	DEF AT 4
31220 /31207	DEF AT turbid water facies	POS AT 4
31250 /31237	DEF AT - - - - -	DEF AT 4
31400 /31387	DEF AT transported shelf fauna	DEF AT 4
31880 /31867	DEF AT local marker planktic foram increase	DEF AT 4
32030 /32017	DEF AT transported shelf fauna	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 267	<b>Date of Summary:</b> 07-FEB-2005	<b>First Sample Examined:</b> 17870
<b>Lease Number:</b> G18537	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32627
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 32613
<b>API Well Number:</b> 608184005000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 17870 - 32627	<b>Water Depth:</b> 3341
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32300 /32286	DEF AT transported shelf fauna	POS AT 4
32330 /32316	DEF AT local marker planktic foram increase	DEF AT 4
32480 /32466	DEF AT transported outer shelf facies	POS AT 4
32570 /32556	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
32627 /32613	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 267	Date of Summary: 02-JUL-2005	First Sample Examined: 17840
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 3	Sample Range: 17840 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Vrede Prospect, calcareous nannofossil report, paleo done by Theresa M Dunn

MD / TVD	Paleo Top Description	Ecozone
17870 /17867	DEF AT first sample examined	DEF AT
17871 /17868	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18140 /18137	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19070 /19065	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
19310 /19305	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20003 /19997	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20210 /20203	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20360 /20353	DEF AT reworked material	DEF AT
20480 /20472	DEF AT out-of-place section	DEF AT
20960 /20951	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
24110 /24100	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
24530 /24520	DEF AT out-of-place section	DEF AT
25460 /25450	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
27200 /27190	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27380 /27370	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
27500 /27490	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
29570 /29559	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
29750 /29739	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
30200 /30189	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
31880 /31867	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
32120 /32106	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
32627 /32613	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 267	<b>Date of Summary:</b> 07-JUL-2005	<b>First Sample Examined:</b> 30376
<b>Lease Number:</b> G18537	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32627
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 32613
<b>API Well Number:</b> 608184005000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 30376 - 32288	<b>Water Depth:</b> 3341
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Vrede Prospect, calcareous nannofossil report based on sidewall cores, paleo done by Theresa M Dunn

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30376 /30365	DEF AT first sample examined	DEF AT
32152 /32138	DEF AT local marker floral decrease	DEF AT
32191 /32177	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
32245 /32231	DEF AT local marker floral decrease	DEF AT
32288 /32274	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 272	Date of Summary: 16-FEB-2006	First Sample Examined: 6840
Lease Number: G16894	Source of Paleo: OPERATOR	Borehole MD: 22530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21993
API Well Number: 608184005800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6840 - 22530	Water Depth: 4291
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Everest Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6840 / 6839	DEF AT first sample examined	DEF AT
6990 / 6989	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7200 / 7199	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
7350 / 7349	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
7530 / 7529	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8040 / 8039	POS AT local marker floral increase	DEF AT
8100 / 8099	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
8250 / 8249	DEF AT local marker planktic foram increase	DEF AT 6
8280 / 8279	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 6
8299 / 8298	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 6
8300 / 8299	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
8496 / 8495	DEF AT - - - - -	DEF IN 5
8639 / 8638	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
8640 / 8639	POS AT local marker planktic foram increase	DEF IN 5
8669 / 8668	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT 6
8670 / 8669	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
8760 / 8759	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
8790 / 8789	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 6
8819 / 8818	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
8820 / 8819	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
8847 / 8846	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 272  
Lease Number: G16894  
Well Name: 001  
API Well Number: 608184005800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-JUL-2006

Date of Summary: 16-FEB-2006  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 6840 - 22530  
Ecozone Eq MMS: Y

First Sample Examined: 6840  
Borehole MD: 22530  
Borehole TVD: 21993  
Rkb Elevation: 88  
Water Depth: 4291  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8848 / 8847	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
8849 / 8848	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
8850 / 8849	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
8875 / 8874	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
8876 / 8875	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 6
8877 / 8876	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
8878 / 8877	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
8879 / 8878	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
8880 / 8879	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
8970 / 8969	DEF AT - - - - -	DEF IN 5
9000 / 8999	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
9029 / 9028	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
9030 / 9029	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
9150 / 9149	DEF AT local marker planktic foram increase	DEF AT 6
9180 / 9179	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9269 / 9268	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT 6
9270 / 9269	DEF AT local marker foram increase	DEF AT 6
9328 / 9327	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT 6
9329 / 9328	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
9330 / 9329	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9389 / 9388	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
9390 / 9389	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
9420 / 9419	DEF AT - - - - -	DEF IN 5
9449 / 9448	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 272	Date of Summary: 16-FEB-2006	First Sample Examined: 6840
Lease Number: G16894	Source of Paleo: OPERATOR	Borehole MD: 22530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21993
API Well Number: 608184005800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6840 - 22530	Water Depth: 4291
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9449	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
9479 / 9478	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
9480 / 9479	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 5
9645 / 9644	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 5
9870 / 9869	DEF AT out-of-place section	POS IN 5
9880 / 9879	DEF AT salt	POS IN 5
16229 /16148	DEF AT base of salt	DEF IN 5
16230 /16149	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
16560 /16453	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
16620 /16508	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF IN 5
16650 /16536	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
16680 /16564	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF IN 5
16920 /16785	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
17070 /16924	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
17100 /16952	POS AT local marker foram increase	DEF IN 5
17490 /17312	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
17579 /17394	DEF AT local marker floral increase	DEF IN 5
17580 /17395	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF IN 5
18090 /17866	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
18120 /17894	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
18148 /17920	DEF AT floral flood	DEF IN 5
18149 /17921	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
18150 /17922	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
18180 /17949	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 272	<b>Date of Summary:</b> 16-FEB-2006	<b>First Sample Examined:</b> 6840
<b>Lease Number:</b> G16894	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22530
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21993
<b>API Well Number:</b> 608184005800	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6840 - 22530	<b>Water Depth:</b> 4291
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18240 /18005	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
18510 /18254	POS AT local marker foram increase	DEF IN 5
18690 /18421	DEF AT Bathysiphon fauna	DEF IN 5
18900 /18614	DEF AT Arenaceous fauna (local marker)	DEF IN 5
19020 /18725	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF IN 5
19049 /18752	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
19050 /18753	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
19080 /18781	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
19170 /18864	DEF AT local marker floral increase	DEF IN 5
19290 /18976	DEF AT Arenaceous fauna (local marker)	DEF IN 5
19350 /19031	DEF AT local marker floral increase	DEF IN 5
19559 /19225	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF IN 5
19560 /19226	DEF AT local marker planktic foram increase	DEF IN 5
19650 /19310	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF IN 5
19830 /19478	DEF AT Arenaceous fauna (local marker)	DEF IN 5
19890 /19533	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
20040 /19673	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
20160 /19785	DEF AT local marker floral increase	DEF IN 5
20400 /20008	DEF AT Arenaceous fauna (local marker)	DEF IN 5
20550 /20147	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 5
20610 /20202	DEF AT reworked material	DEF IN 5
20700 /20285	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
21240 /20787	POS AT local marker planktic foram increase	DEF IN 5
21450 /20983	DEF AT reworked material	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 272	<b>Date of Summary:</b> 16-FEB-2006	<b>First Sample Examined:</b> 6840
<b>Lease Number:</b> G16894	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22530
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21993
<b>API Well Number:</b> 608184005800	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6840 - 22530	<b>Water Depth:</b> 4291
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21630 /21151	DEF AT local marker floral increase	DEF IN 5
21780 /21291	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
21809 /21318	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5
21810 /21319	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 5
21840 /21347	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF IN 5
21930 /21431	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF IN 5
22020 /21516	POS AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF IN 5
22050 /21544	DEF AT local marker planktic foram increase	DEF IN 5
22080 /21572	POS AT Lower Miocene (Aquitania) Discoaster saundersi	DEF IN 5
22229 /21711	DEF AT reworked material	DEF IN 5
22230 /21712	DEF AT local marker foram increase	DEF IN 5
22290 /21768	DEF AT local marker foram increase	DEF IN 5
22320 /21797	DEF AT local marker floral increase	DEF IN 5
22499 /21964	POS AT Lower Miocene (Aquitania) Cyclocarolithus abisectus	DEF IN 5
22500 /21965	POS AT Bathysiphon fauna	DEF IN 5
22530 /21993	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 336	Date of Summary: 07-JUN-2000	First Sample Examined: 8730
Lease Number: G18569	Source of Paleo: OPERATOR	Borehole MD: 20154
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19500
API Well Number: 608184001200	Drilling Operator: BURLINGTON RESOURCES INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 8730 - 20154	Water Depth: 6221
Public Info Code: Y 23-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Showboat Prospect, 19890=Catapsydrax dissimilis with a reoccurrence at 19950, probably displaced or caved fauna, with lithology not characteristic of Early Miocene, an examination of the faunal abundance curve over the interval 18870 to 20154 is very atypical for the downdip mid-Eocene to Upper Cretaceous age section, see report for further comments, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8730 / 8730	DEF AT first sample examined	DEF AT 4
8940 / 8940	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
11550 /11550	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
13080 /13080	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
13110 /13110	DEF AT -----	DEF IN 5
13380 /13380	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
13650 /13650	DEF AT -----	DEF AT 5
13890 /13890	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 5
14340 /14339	DEF AT sample gap top	POS AT 5
14520 /14519	DEF AT sample gap bottom	DEF AT 5
14610 /14609	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
16770 /16699	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17310 /17153	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
18030 /17750	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
18060 /17775	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
18270 /17947	DEF AT -----	DEF AT 5
18450 /18096	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
18630 /18248	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
18660 /18273	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
18720 /18324	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 336	<b>Date of Summary:</b> 07-JUN-2000	<b>First Sample Examined:</b> 8730
<b>Lease Number:</b> G18569	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20154
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19500
<b>API Well Number:</b> 608184001200	<b>Drilling Operator:</b> BURLINGTON RESOURCES INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8730 - 20154	<b>Water Depth:</b> 6221
<b>Public Info Code:</b> Y 23-JUN-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18870 /18453	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
18900 /18479	DEF AT - - - - -	DEF AT 4
19080 /18635	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 4
19170 /18713	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT 4
19260 /18792	POS AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 4
19379 /18897	POS AT out-of-place section	DEF AT 3
19380 /18898	POS AT Upper Cretaceous (Campanian) Globorotalites micheliniana	DEF AT 3
19888 /19317	POS AT reworked material	DEF AT 3
19889 /19318	POS AT out-of-place section	DEF AT 3
19890 /19319	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 3
20154 /19500	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 336	Date of Summary: 08-JUN-2000	First Sample Examined: 8730
Lease Number: G18569	Source of Paleo: OPERATOR	Borehole MD: 20154
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19500
API Well Number: 608184001200	Drilling Operator: BURLINGTON RESOURCES INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 8730 - 20154	Water Depth: 6221
Public Info Code: Y 23-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Showboat Prospect, calcareous nannofossil report, see report for further comments, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8730 / 8730	DEF AT first sample examined	DEF AT
11550 /11550	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11580 /11580	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13080 /13080	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13110 /13110	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13290 /13290	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13319 /13319	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13320 /13320	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13380 /13380	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13410 /13410	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
13649 /13649	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13650 /13650	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13830 /13830	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14220 /14219	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14790 /14789	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
14850 /14849	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16050 /16035	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16200 /16179	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
16290 /16264	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16710 /16646	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17340 /17178	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 336	<b>Date of Summary:</b> 08-JUN-2000	<b>First Sample Examined:</b> 8730
<b>Lease Number:</b> G18569	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20154
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19500
<b>API Well Number:</b> 608184001200	<b>Drilling Operator:</b> BURLINGTON RESOURCES INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8730 - 20154	<b>Water Depth:</b> 6221
<b>Public Info Code:</b> Y 23-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18029 /17750	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
18030 /17750	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
18060 /17775	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
18089 /17799	POS AT out-of-place section	DEF AT
18090 /17800	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
18569 /18196	POS AT out-of-place section	DEF AT
18570 /18197	POS IN Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
18690 /18299	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
18740 /18341	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
18840 /18427	DEF AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF AT
18900 /18479	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
18960 /18531	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
19200 /18739	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
19230 /18766	DEF AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
19530 /19029	POS AT local marker floral decrease	DEF AT
20109 /19472	POS AT reworked material	DEF AT
20110 /19472	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20154 /19500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 349	<b>Date of Summary:</b> 08-MAY-2003	<b>First Sample Examined:</b> 12042
<b>Lease Number:</b> G18577	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18310
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18310
<b>API Well Number:</b> 608184003900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12042 - 18309	<b>Water Depth:</b> 8831
<b>Public Info Code:</b> Y 29-APR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12042 /12042	DEF AT first sample examined	DEF AT 5
14800 /14800	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
15010 /15010	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
15099 /15099	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15100 /15100	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15219 /15219	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
15220 /15220	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
15250 /15250	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
15280 /15280	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
15340 /15340	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
15550 /15550	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 5
15580 /15580	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
15670 /15670	DEF AT faunal change (no faunal increase)	DEF AT 5
15850 /15850	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
17170 /17170	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
17710 /17710	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
18190 /18190	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18309 /18309	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 349	<b>Date of Summary:</b> 08-MAY-2003	<b>First Sample Examined:</b> 12042
<b>Lease Number:</b> G18577	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18310
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18310
<b>API Well Number:</b> 608184003900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12042 - 18309	<b>Water Depth:</b> 8831
<b>Public Info Code:</b> Y 29-APR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12042 /12042	DEF AT first sample examined	DEF AT
12800 /12800	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13780 /13780	DEF AT out-of-place section	DEF AT
14740 /14740	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14800 /14800	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14840 /14840	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15130 /15130	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15280 /15280	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15400 /15400	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15430 /15430	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16240 /16240	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16270 /16270	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16990 /16990	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17020 /17020	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17260 /17260	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17590 /17590	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18249 /18249	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18250 /18250	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18309 /18309	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 353	Date of Summary: 02-OCT-2001	First Sample Examined: 5375
Lease Number: G18578	Source of Paleo: OPERATOR	Borehole MD: 9188
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9076
API Well Number: 608184002200	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 5375 - 9188	Water Depth: 3790
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5375 / 5375	DEF AT first sample examined	DEF AT
5980 / 5976	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6210 / 6199	DEF AT sample gap top	DEF AT
6310 / 6294	DEF AT sample gap bottom	DEF AT
6610 / 6579	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8260 / 8152	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8560 / 8449	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8860 / 8748	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8890 / 8778	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8920 / 8808	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8950 / 8838	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8980 / 8868	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9188 / 9076	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 353	Date of Summary: 02-OCT-2001	First Sample Examined: 5375
Lease Number: G18578	Source of Paleo: OPERATOR	Borehole MD: 9188
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9076
API Well Number: 608184002200	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 5375 - 9188	Water Depth: 3790
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5375 / 5375	DEF AT first sample examined	DEF AT 4
5980 / 5976	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6210 / 6199	DEF AT sample gap top	POS AT 5
6310 / 6294	DEF AT sample gap bottom	DEF AT 5
8260 / 8152	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
8500 / 8389	DEF AT - - - - -	DEF AT 5
8800 / 8688	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8830 / 8718	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8890 / 8778	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8947 / 8835	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
8948 / 8836	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
8949 / 8837	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8950 / 8838	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9070 / 8958	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9188 / 9076	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 362	Date of Summary: 24-JUL-2014	First Sample Examined: 11540
Lease Number: G34584	Source of Paleo: OPERATOR	Borehole MD: 13660
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13594
API Well Number: 608184007400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 11540 - 13660	Water Depth: 5588
Public Info Code: Y 23-NOV-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Bright Prospect, company-integrated foram and nanno report, paleo done by BP and Ellington and Associates, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11540 /11539	DEF AT first sample examined	DEF AT
12831 /12796	POS IN Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
12832 /12797	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12833 /12798	DEF AT foram flood	DEF AT
12834 /12799	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT
12835 /12800	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
12850 /12815	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12880 /12843	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12908 /12870	DEF AT pyrite	DEF AT
12909 /12871	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12910 /12872	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12939 /12900	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
12940 /12901	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
12969 /12929	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
12970 /12930	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT
13000 /12958	DEF AT local marker foram decrease	DEF AT
13030 /12987	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13060 /13016	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13120 /13074	DEF AT local marker floral increase	DEF AT
13149 /13102	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13150 /13103	DEF AT local marker benthic foram increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 362	<b>Date of Summary:</b> 24-JUL-2014	<b>First Sample Examined:</b> 11540
<b>Lease Number:</b> G34584	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13660
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13594
<b>API Well Number:</b> 608184007400	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11540 - 13660	<b>Water Depth:</b> 5588
<b>Public Info Code:</b> Y 23-NOV-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13209 /13160	DEF AT pyrite	DEF AT
13210 /13161	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13250 /13199	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
13270 /13219	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
13360 /13306	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13419 /13363	DEF AT pyrite	DEF AT
13420 /13364	DEF AT local marker benthic foram increase	DEF AT
13590 /13527	DEF AT local marker floral increase	DEF AT
13650 /13585	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13660 /13594	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 362	Date of Summary: 17-DEC-2014	First Sample Examined: 7925
Lease Number: G34584	Source of Paleo: OPERATOR	Borehole MD: 13660
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13594
API Well Number: 608184007400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 7925 - 13660	Water Depth: 5588
Public Info Code: Y 23-NOV-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Bright Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7925 / 7925	DEF AT first sample examined	DEF AT
9980 / 9980	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
10070 /10070	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
10460 /10460	DEF AT local marker planktic foram increase	DEF AT
10640 /10640	DEF AT local marker planktic foram increase	DEF AT
10790 /10790	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10970 /10970	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT
11840 /11837	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12320 /12305	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
12418 /12399	DEF AT local marker floral increase	DEF AT
12420 /12401	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT
12768 /12736	DEF AT unconformity	DEF AT
12769 /12737	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12770 /12738	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
12798 /12765	DEF AT unconformity	DEF AT
12799 /12766	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12800 /12767	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
12833 /12798	DEF AT unconformity	DEF AT
12834 /12799	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12879 /12842	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
12880 /12843	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12970 /12930	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 362	<b>Date of Summary:</b> 17-DEC-2014	<b>First Sample Examined:</b> 7925
<b>Lease Number:</b> G34584	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13660
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13594
<b>API Well Number:</b> 608184007400	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7925 - 13660	<b>Water Depth:</b> 5588
<b>Public Info Code:</b> Y 23-NOV-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13280 /13228	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
13360 /13306	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13540 /13479	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13590 /13527	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT
13660 /13594	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 398	Date of Summary: 30-NOV-2005	First Sample Examined: 21350
Lease Number: G16910	Source of Paleo: OPERATOR	Borehole MD: 28270
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28267
API Well Number: 608184005700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 21350 - 28280	Water Depth: 3619
Public Info Code: Y 09-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Bonsai Prospect, interim company-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21350 /21348	DEF AT first sample examined	DEF AT
21351 /21349	DEF AT base of salt	DEF AT
21352 /21350	POS IN Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
21353 /21351	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
21799 /21797	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
21800 /21798	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT
21950 /21948	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
22010 /22008	DEF AT local marker floral increase	DEF AT
22040 /22038	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
22640 /22637	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
23240 /23237	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23480 /23477	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23600 /23597	DEF AT local marker floral increase	DEF AT
23730 /23727	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
23780 /23777	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
26480 /26477	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
26960 /26957	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
27559 /27556	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
27560 /27557	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
27770 /27767	DEF AT local marker floral increase	DEF AT
27980 /27977	DEF AT reworked material	DEF AT
28280 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 398	Date of Summary: 10-JAN-2006	First Sample Examined: 27420
Lease Number: G16910	Source of Paleo: OPERATOR	Borehole MD: 30125
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29955
API Well Number: 608184005701	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 27420 - 30126	Water Depth: 3619
Public Info Code: Y 09-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Bonsai Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27420 /27332	DEF AT first sample examined	DEF AT
27750 /27654	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
28520 /28402	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
28610 /28489	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
28628 /28506	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
28629 /28507	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperensis	DEF AT
28670 /28547	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT
28728 /28603	DEF AT unconformity	DEF AT
28729 /28604	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
28730 /28605	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
28789 /28662	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
28790 /28663	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT
28820 /28692	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
28848 /28719	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
28849 /28720	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28850 /28721	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
28880 /28750	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT
28909 /28778	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT
28910 /28779	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
29058 /28922	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
29059 /28923	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 398	<b>Date of Summary:</b> 10-JAN-2006	<b>First Sample Examined:</b> 27420
<b>Lease Number:</b> G16910	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30125
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29955
<b>API Well Number:</b> 608184005701	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 27420 - 30126	<b>Water Depth:</b> 3619
<b>Public Info Code:</b> Y 09-FEB-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29060 /28924	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT
29089 /28952	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
29090 /28953	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT
29150 /29011	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT
29270 /29126	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
29330 /29184	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
29390 /29242	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
29480 /29329	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
29927 /29762	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
29928 /29763	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT
29929 /29764	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT
29930 /29765	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT
30049 /29881	DEF IN Lower Paleocene Danian Stage	DEF AT
30050 /29882	DEF AT out-of-place section	DEF AT
30069 /29900	DEF AT Upper Cretaceous (Coniacian) Quadrum gartneri	DEF AT
30070 /29901	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT
30080 /29911	DEF IN Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT
30126 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 398	Date of Summary: 15-AUG-2006	First Sample Examined: 22750
Lease Number: G16910	Source of Paleo: OPERATOR	Borehole MD: 24153
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21794
API Well Number: 608184005702	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 22750 - 24153	Water Depth: 3619
Public Info Code: Y 09-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Bonsai Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22765 /20679	DEF AT first sample examined	DEF AT
22766 /20679	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
22825 /20727	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
23079 /20930	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
23080 /20931	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
23454 /21234	DEF AT condensed section	DEF AT
23455 /21235	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
23507 /21277	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
23740 /21465	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
23755 /21477	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
24153 /21794	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 426  
Lease Number: G18603  
Well Name: 001  
API Well Number: 608184001700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 24-FEB-2011

Date of Summary: 01-FEB-2001  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 9500 - 13673  
Ecozone Eq MMS: Y

First Sample Examined: 9500  
Borehole MD: 13762  
Borehole TVD: 13762  
Rkb Elevation: 83  
Water Depth: 6634  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 9499	DEF AT first sample examined	DEF IN 4
9501 / 9500	DEF IN Holocene Globorotalia inflata	DEF IN 4
10130 /10129	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
11240 /11239	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
11600 /11599	DEF AT faunal change (no faunal increase)	DEF IN 4
11720 /11719	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
13730 /13729	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
13763 /	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 426	<b>Date of Summary:</b> 01-FEB-2001	<b>First Sample Examined:</b> 9500
<b>Lease Number:</b> G18603	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13762
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 13762
<b>API Well Number:</b> 608184001700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9500 - 13763	<b>Water Depth:</b> 6634
<b>Public Info Code:</b> Y 24-FEB-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 9620=in Helicosphaera inversa

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 9499	DEF AT first sample examined	DEF AT
9501 / 9500	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
9620 / 9619	DEF AT Upper Pleistocene (Ionian) Helicosphaera inversa	DEF AT
9650 / 9649	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
11030 /11029	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
11240 /11239	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12442 /12441	DEF AT reworked material	DEF AT
12920 /12919	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13130 /13129	DEF AT reworked material	DEF AT
13763 /	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 428	<b>Date of Summary:</b> 29-MAR-2010	<b>First Sample Examined:</b> 11484
<b>Lease Number:</b> G28129	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18352
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17603
<b>API Well Number:</b> 608184007200	<b>Drilling Operator:</b> ENI US OPERATING CO INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11484 - 18276	<b>Water Depth:</b> 7142
<b>Public Info Code:</b> Y 16-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11484 /11484	DEF AT first sample examined	POS AT 5
11485 /11485	DEF AT poor sample interval top	POS AT 5
12510 /12510	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	POS AT 5
12720 /12720	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 5
12870 /12870	DEF AT poor sample interval bottom	DEF AT 5
12900 /12900	DEF AT out-of-place section	DEF AT 5
12930 /12930	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
13050 /13050	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
13110 /13110	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
13140 /13140	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
13229 /13229	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
13230 /13230	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
13320 /13320	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
13620 /13620	DEF AT out-of-place section	DEF AT 5
13800 /13800	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
14850 /14835	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
15720 /15623	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
16260 /16048	DEF AT out-of-place section	DEF AT 5
16348 /16114	DEF AT out-of-place section	DEF AT 5
16349 /16115	POS AT Middle Miocene (Langhian) Discoaster calculus	DEF AT 5
16350 /16115	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 5
16380 /16138	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 428	<b>Date of Summary:</b> 29-MAR-2010	<b>First Sample Examined:</b> 11484
<b>Lease Number:</b> G28129	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18352
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17603
<b>API Well Number:</b> 608184007200	<b>Drilling Operator:</b> ENI US OPERATING CO INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11484 - 18276	<b>Water Depth:</b> 7142
<b>Public Info Code:</b> Y 16-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16500 /16227	POS AT local marker planktic foram increase	DEF AT 5
16710 /16383	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 5
16770 /16428	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
17550 /17008	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
17640 /17075	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
17700 /17119	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
18210 /17497	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
18240 /17520	DEF AT out-of-place section	DEF AT 5
18276 /17546	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 428	Date of Summary: 01-JUL-2010	First Sample Examined: 18270
Lease Number: G28129	Source of Paleo: OPERATOR	Borehole MD: 20991
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19542
API Well Number: 608184007201	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 18270 - 20991	Water Depth: 7142
Public Info Code: Y 16-APR-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18270 /17571	DEF AT first sample examined	DEF IN 5
18271 /17571	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
18272 /17572	DEF IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 5
18300 /17593	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
18450 /17705	DEF AT out-of-place section	DEF IN 5
18480 /17727	POS AT Upper Oligocene (Chattian) Globigerina sellii	DEF IN 5
18540 /17772	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 5
18570 /17794	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
18600 /17816	DEF AT -----	DEF AT 6
18660 /17859	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
18720 /17902	DEF AT -----	DEF AT 5
18900 /18032	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
19050 /18140	POS IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
19349 /18355	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
19350 /18356	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
19378 /18376	POS IN Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT 5
19379 /18377	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
19380 /18378	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
19410 /18399	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
19470 /18442	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
19500 /18464	POS IN Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5
19630 /18558	POS AT Middle Eocene (Lutetian) Haplocytheridea stenzeli (ostracod)	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 428	<b>Date of Summary:</b> 01-JUL-2010	<b>First Sample Examined:</b> 18270
<b>Lease Number:</b> G28129	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20991
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19542
<b>API Well Number:</b> 608184007201	<b>Drilling Operator:</b> ENI US OPERATING CO INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18270 - 20991	<b>Water Depth:</b> 7142
<b>Public Info Code:</b> Y 16-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19657 /18577	DEF AT radiolarians	DEF AT 5
19658 /18578	POS AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF AT 5
19659 /18578	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT 5
19660 /18579	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT 5
19680 /18594	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
19769 /18658	POS AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 5
19770 /18659	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT 5
19800 /18680	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
19830 /18702	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT 5
20010 /18832	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT 5
20100 /18897	POS AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 5
20280 /19027	DEF AT - - - - -	DEF AT 4
20400 /19114	POS AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 4
20790 /19396	DEF AT Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT 4
20991 /19541	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 430	Date of Summary: 15-MAY-2001	First Sample Examined: 10360
Lease Number: G18604	Source of Paleo: OPERATOR	Borehole MD: 18293
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17008
API Well Number: 608184002000	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 10360 - 18230	Water Depth: 7526
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10360 /10359	DEF AT first sample examined	DEF AT
11920 /11918	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12639 /12637	POS AT out-of-place section	DEF AT
12640 /12638	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12970 /12966	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12971 /12967	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13330 /13313	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
13450 /13422	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13600 /13553	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14200 /14004	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15370 /14831	DEF AT out-of-place section	DEF AT
15490 /14917	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15880 /15191	DEF AT out-of-place section	DEF AT
16930 /15940	DEF AT out-of-place section	DEF AT
16990 /15984	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
18130 /16881	DEF AT out-of-place section	DEF AT
18230 /16960	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 430	<b>Date of Summary:</b> 16-MAY-2001	<b>First Sample Examined:</b> 10360
<b>Lease Number:</b> G18604	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18293
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17008
<b>API Well Number:</b> 608184002000	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10360 - 18230	<b>Water Depth:</b> 7526
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10360 /10359	DEF AT first sample examined	DEF AT 5
12970 /12966	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13210 /13200	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
13330 /13313	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14140 /13961	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14590 /14283	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15490 /14917	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
15850 /15170	DEF AT reworked material	DEF AT 5
16989 /15983	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
16990 /15984	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
18130 /16881	DEF AT out-of-place section	DEF AT 5
18230 /16960	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 488	<b>Date of Summary:</b> 19-JUL-2004	<b>First Sample Examined:</b> 8300
<b>Lease Number:</b> G18617	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16765
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16764
<b>API Well Number:</b> 608184004900	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 8300 - 16765	<b>Water Depth:</b> 4725
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8300 / 8300	DEF AT first sample examined	DEF AT 5
9710 / 9710	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9800 / 9800	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
9979 / 9979	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
9980 / 9980	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10009 /10009	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10010 /10010	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10040 /10040	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10100 /10100	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10220 /10220	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
10280 /10280	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10400 /10400	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
10520 /10520	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
10700 /10700	DEF AT faunal change (no faunal increase)	DEF AT 5
10879 /10879	DEF AT anhydrite	POS AT 5
10880 /10880	DEF AT salt	POS AT 5
13040 /13040	DEF AT base of salt	DEF AT 5
13070 /13070	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13130 /13130	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13490 /13490	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
13610 /13610	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
13820 /13820	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 488  
 Lease Number: G18617  
 Well Name: 002  
 API Well Number: 608184004900  
 Paleo Report Num: 1 of 4  
 Public Info Code: Y 30-JUN-2007

Date of Summary: 19-JUL-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
 Sample Range: 8300 - 16765  
 Ecozone Eq MMS: Y

First Sample Examined: 8300  
 Borehole MD: 16765  
 Borehole TVD: 16764  
 Rkb Elevation: 82  
 Water Depth: 4725  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14180 /14180	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14390 /14390	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15680 /15679	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16250 /16249	POS AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
16670 /16669	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
16765 /16764	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 488	<b>Date of Summary:</b> 19-JUL-2004	<b>First Sample Examined:</b> 8300
<b>Lease Number:</b> G18617	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16765
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16764
<b>API Well Number:</b> 608184004900	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 8300 - 16765	<b>Water Depth:</b> 4725
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 13460=may represent a sheared horizon below salt, 13040 to 13490 yielded sporadic very rare occurrences of a late/middle Miocene, Oligocene, late Eocene flora associated with salt and not considered age-diagnostic, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8300 / 8300	DEF AT first sample examined	DEF AT
9710 / 9710	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9800 / 9800	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9830 / 9830	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9980 / 9980	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10010 /10010	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10069 /10069	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10070 /10070	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10100 /10100	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10280 /10280	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10310 /10310	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10370 /10370	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10430 /10430	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10640 /10640	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10760 /10760	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10790 /10790	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10880 /10880	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10910 /10910	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10940 /10940	DEF AT salt	DEF AT
11000 /11000	DEF AT sample gap top	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 488  
 Lease Number: G18617  
 Well Name: 002  
 API Well Number: 608184004900  
 Paleo Report Num: 2 of 4  
 Public Info Code: Y 30-JUN-2007

Date of Summary: 19-JUL-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
 Sample Range: 8300 - 16765  
 Ecozone Eq MMS:

First Sample Examined: 8300  
 Borehole MD: 16765  
 Borehole TVD: 16764  
 Rkb Elevation: 82  
 Water Depth: 4725  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13010 /13010	DEF AT sample gap bottom	DEF AT
13039 /13039	DEF AT base of salt	DEF AT
13040 /13040	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13100 /13100	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13130 /13130	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13430 /13430	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13460 /13460	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14120 /14120	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14360 /14360	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14660 /14660	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14840 /14840	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14900 /14900	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
15590 /15589	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
15949 /15948	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
15950 /15949	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
16100 /16099	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
16219 /16218	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
16220 /16219	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
16520 /16519	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
16670 /16669	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
16698 /16697	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16699 /16698	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
16700 /16699	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
16765 /16764	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 488	Date of Summary: 20-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8300 / 8300	DEF AT first sample examined	DEF AT
8540 / 8540	DEF AT reworked material	DEF AT
8960 / 8960	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
9320 / 9320	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9350 / 9350	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9650 / 9650	DEF AT local marker floral increase	DEF AT
9680 / 9680	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9769 / 9769	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9770 / 9770	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9800 / 9800	DEF AT reworked material	DEF AT
9979 / 9979	DEF AT condensed section	DEF AT
9980 / 9980	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
10010 /10010	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10040 /10040	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10100 /10100	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
10130 /10130	DEF AT local marker floral increase	DEF AT
10220 /10220	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
10250 /10250	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10310 /10310	DEF AT local marker floral increase	DEF AT
10370 /10370	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10400 /10400	DEF AT local marker floral increase	DEF AT
10430 /10430	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 488  
Lease Number: G18617  
Well Name: 002  
API Well Number: 608184004900  
Paleo Report Num: 3 of 4  
Public Info Code: Y 30-JUN-2007

Date of Summary: 20-JUL-2004  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 8300 - 16765  
Ecozone Eq MMS:

First Sample Examined: 8300  
Borehole MD: 16765  
Borehole TVD: 16764  
Rkb Elevation: 82  
Water Depth: 4725  
Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10460 /10460	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
10729 /10729	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
10730 /10730	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10760 /10760	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT
10790 /10790	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10850 /10850	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10940 /10940	DEF AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
10970 /10970	DEF AT salt	DEF AT
12640 /12640	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13039 /13039	DEF AT base of salt	DEF AT
13040 /13040	DEF AT out-of-place section	DEF AT
13070 /13070	POS IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13190 /13190	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13250 /13250	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13310 /13310	DEF AT reworked material	DEF AT
13430 /13430	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13520 /13520	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
13550 /13550	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13580 /13580	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13790 /13790	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14238 /14238	DEF AT unconformity	DEF AT
14239 /14239	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14240 /14240	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14330 /14330	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 488  
Lease Number: G18617  
Well Name: 002  
API Well Number: 608184004900  
Paleo Report Num: 3 of 4  
Public Info Code: Y 30-JUN-2007

Date of Summary: 20-JUL-2004  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 8300 - 16765  
Ecozone Eq MMS:

First Sample Examined: 8300  
Borehole MD: 16765  
Borehole TVD: 16764  
Rkb Elevation: 82  
Water Depth: 4725  
Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14360 /14360	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14390 /14390	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
14690 /14690	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
14870 /14870	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
15290 /15290	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
15410 /15410	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
15440 /15440	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
15560 /15560	DEF AT reworked material	DEF AT
15650 /15649	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
15710 /15709	DEF AT local marker floral increase	DEF AT
15799 /15798	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
15800 /15799	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
15980 /15979	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
16040 /16039	DEF AT local marker floral increase	DEF AT
16100 /16099	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
16220 /16219	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
16250 /16249	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
16519 /16518	POS AT transported inner shelf facies	DEF AT
16520 /16519	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
16580 /16579	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16670 /16669	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16700 /16699	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT
16730 /16729	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 488	<b>Date of Summary:</b> 23-JUL-2004	<b>First Sample Examined:</b> 8300
<b>Lease Number:</b> G18617	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16765
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16764
<b>API Well Number:</b> 608184004900	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 8300 - 16765	<b>Water Depth:</b> 4725
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** The occurrence of the Hackberry Facies at 16520 to 16550 is the most downdip occurrence of the classic Hackberry Facies in the Gulf of Mexico Basin, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8300 / 8300	DEF AT first sample examined	DEF AT
8360 / 8360	DEF IN Holocene Globorotalia inflata	DEF AT
8810 / 8810	DEF AT reworked material	DEF AT
8900 / 8900	DEF AT faunal change (no faunal increase)	POS AT 4
9320 / 9320	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
9500 / 9500	DEF AT faunal change (no faunal increase)	DEF AT 4
9650 / 9650	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
9770 / 9770	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
9800 / 9800	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
9920 / 9920	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 6
9977 / 9977	DEF AT condensed section	DEF IN 6
9978 / 9978	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 6
9979 / 9979	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 6
9980 / 9980	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
10009 /10009	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
10010 /10010	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
10100 /10100	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
10219 /10219	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
10220 /10220	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
10280 /10280	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10520 /10520	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 488	<b>Date of Summary:</b> 23-JUL-2004	<b>First Sample Examined:</b> 8300
<b>Lease Number:</b> G18617	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16765
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16764
<b>API Well Number:</b> 608184004900	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 8300 - 16765	<b>Water Depth:</b> 4725
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10580 /10580	DEF AT local marker foram increase	DEF IN 5
10640 /10640	DEF AT local marker planktic foram increase	DEF IN 5
10820 /10820	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
10879 /10879	DEF AT limestone	DEF AT 5
10880 /10880	DEF AT local marker foram decrease	DEF AT 5
10970 /10970	DEF AT salt	POS AT 5
13039 /13039	DEF AT base of salt	DEF IN 4
13040 /13040	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
13130 /13130	DEF AT limestone	DEF IN 4
13220 /13220	DEF AT faunal change (no faunal increase)	DEF AT 4
13460 /13460	DEF AT local marker foram decrease	POS AT 5
13580 /13580	DEF AT faunal change (no faunal increase)	DEF AT 4
13820 /13820	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
13940 /13940	DEF AT faunal change (no faunal increase)	POS AT 4
14180 /14180	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
14270 /14270	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14360 /14360	DEF AT faunal change (no faunal increase)	DEF AT 5
14419 /14419	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
14420 /14420	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14540 /14540	DEF AT local marker planktic foram increase	DEF AT 5
14600 /14600	DEF AT faunal change (no faunal increase)	DEF AT 4
15020 /15020	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
15200 /15200	DEF AT cement	POS AT 4
15260 /15260	DEF AT faunal change (no faunal increase)	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 488  
Lease Number: G18617  
Well Name: 002  
API Well Number: 608184004900  
Paleo Report Num: 4 of 4  
Public Info Code: Y 30-JUN-2007

Date of Summary: 23-JUL-2004  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 8300 - 16765  
Ecozone Eq MMS: Y

First Sample Examined: 8300  
Borehole MD: 16765  
Borehole TVD: 16764  
Rkb Elevation: 82  
Water Depth: 4725  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15500 /15500	POS AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
15680 /15679	DEF AT Middle Miocene (Serravallian) Anomalina adelensis	DEF AT 4
15740 /15739	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
15860 /15859	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16010 /16009	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
16249 /16248	DEF AT condensed section	DEF IN 5
16250 /16249	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
16280 /16279	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF IN 5
16309 /16308	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF IN 5
16310 /16309	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
16430 /16429	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN 5
16489 /16488	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF IN 5
16490 /16489	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
16520 /16519	DEF AT Upper Oligocene (Chattian) Bolivina mexicana	DEF AT 6
16730 /16729	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 6
16765 /16764	DEF AT last sample examined	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 489	Date of Summary: 04-DEC-2002	First Sample Examined: 8136
Lease Number: G15632	Source of Paleo: OPERATOR	Borehole MD: 12243
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12200
API Well Number: 608184003300	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8136 - 12240	Water Depth: 4578
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8136 / 8135	DEF AT first sample examined	DEF AT 5
9420 / 9419	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9570 / 9569	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9630 / 9629	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
9660 / 9659	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9690 / 9689	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9719 / 9718	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9720 / 9719	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9750 / 9749	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9810 / 9809	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
9900 / 9899	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
9930 / 9929	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10050 /10049	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
10110 /10109	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
10230 /10228	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
10320 /10318	DEF IN salt	DEF IN 5
11700 /11668	DEF AT base of salt	DEF IN 5
11701 /11669	DEF AT out-of-place section	DEF IN 5
12240 /12198	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 489	<b>Date of Summary:</b> 04-DEC-2002	<b>First Sample Examined:</b> 8136
<b>Lease Number:</b> G15632	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12243
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12200
<b>API Well Number:</b> 608184003300	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8136 - 12240	<b>Water Depth:</b> 4578
<b>Public Info Code:</b> Y 30-JUN-2005	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8136 / 8135	DEF AT first sample examined	DEF AT
9210 / 9209	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9450 / 9449	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9480 / 9479	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9570 / 9569	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
9630 / 9629	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9660 / 9659	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9690 / 9689	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9780 / 9779	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9810 / 9809	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9900 / 9899	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9930 / 9929	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10050 /10049	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10110 /10109	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10140 /10139	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10230 /10228	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10290 /10288	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10350 /10348	DEF IN salt	DEF AT
11700 /11668	DEF AT base of salt	DEF AT
11701 /11669	DEF AT out-of-place section	DEF AT
11800 /11765	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12240 /12198	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 489	Date of Summary: 04-DEC-2002	First Sample Examined: 11400
Lease Number: G15632	Source of Paleo: OPERATOR	Borehole MD: 18170
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18082
API Well Number: 608184003301	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11400 - 18170	Water Depth: 4578
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11380	DEF AT first sample examined	POS IN 5
11401 /11381	DEF IN salt	POS IN 5
12120 /12091	DEF AT base of salt	DEF IN 5
12121 /12092	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
12122 /12093	DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
12150 /12121	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12297 /12268	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
12298 /12269	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12299 /12270	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12300 /12271	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12330 /12301	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12359 /12330	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
12360 /12331	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12570 /12541	DEF AT - - - - -	DEF AT 5
12690 /12661	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
12840 /12811	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13020 /12991	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13080 /13051	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13174 /13145	DEF AT salt	DEF AT 5
18170 /18082	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 489	Date of Summary: 04-DEC-2002	First Sample Examined: 11400
Lease Number: G15632	Source of Paleo: OPERATOR	Borehole MD: 18170
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18082
API Well Number: 608184003301	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11400 - 18170	Water Depth: 4578
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11380	DEF AT first sample examined	DEF AT
11401 /11381	DEF IN salt	DEF AT
12120 /12091	DEF AT base of salt	DEF AT
12121 /12092	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12180 /12151	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12270 /12241	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12300 /12271	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12360 /12331	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12420 /12391	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12480 /12451	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12510 /12481	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12660 /12631	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12750 /12721	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12990 /12961	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13020 /12991	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
13080 /13051	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13174 /13145	DEF IN salt	DEF AT
18170 /18082	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 573	Date of Summary: 01-JAN-2003	First Sample Examined: 11510
Lease Number: G08034	Source of Paleo: OPERATOR	Borehole MD: 22030
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20237
API Well Number: 608184003600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 11510 - 22030	Water Depth: 5995
Public Info Code: Y 03-FEB-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11510 /11425	DEF AT first sample examined	DEF AT
11690 /11582	POS AT Holocene Globorotalia inflata	DEF AT
12990 /12642	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
13080 /12715	DEF AT - - - - -	DEF AT 4
13380 /12961	DEF AT local marker foram increase	DEF AT 5
13680 /13211	DEF AT - - - - -	DEF AT 4
14220 /13666	DEF AT local marker foram increase	DEF AT 4
14700 /14074	DEF AT local marker foram increase	DEF AT 5
14880 /14229	POS AT local marker planktic foram increase	DEF AT 5
15000 /14331	DEF AT - - - - -	DEF AT 4
15330 /14610	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
15510 /14762	DEF AT local marker foram increase	DEF AT 5
15630 /14863	DEF AT - - - - -	DEF AT 4
15930 /15114	DEF AT - - - - -	POS AT 4
16230 /15367	DEF AT - - - - -	DEF AT 4
16290 /15418	DEF AT - - - - -	DEF AT 5
16350 /15469	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
16530 /15623	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
16650 /15725	DEF AT local marker deep water fauna	DEF AT 4
16890 /15928	DEF AT - - - - -	POS AT 4
17020 /16037	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
17040 /16053	DEF AT - - - - -	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 573	<b>Date of Summary:</b> 01-JAN-2003	<b>First Sample Examined:</b> 11510
<b>Lease Number:</b> G08034	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22030
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 20237
<b>API Well Number:</b> 608184003600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11510 - 22030	<b>Water Depth:</b> 5995
<b>Public Info Code:</b> Y 03-FEB-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17279 /16251	POS AT condensed section	DEF AT 5
17280 /16252	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 5
17339 /16301	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / nepenthes "B"	DEF AT 5
17340 /16302	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 5
17400 /16352	DEF AT limestone	DEF IN 4
17940 /16806	DEF AT -----	POS IN 4
18360 /17161	DEF AT -----	DEF IN 4
18448 /17234	POS AT unconformity	DEF AT 4
18449 /17235	POS AT condensed section	DEF IN 4
18450 /17236	POS IN Upper Miocene (Tortonian) <i>Globorotalia mayeri</i>	DEF IN 4
18480 /17261	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi praefohsi</i>	DEF IN 4
18660 /17412	DEF AT -----	POS IN 4
18900 /17612	DEF AT -----	DEF AT 4
19020 /17712	POS AT Bathysiphon fauna	DEF AT 4
19410 /18032	DEF AT -----	DEF IN 4
19470 /18082	POS AT Middle Miocene (Serravallian) <i>Globorotalia fohsi fohsi</i>	DEF IN 4
19530 /18132	DEF AT local marker benthic foram increase	DEF IN 4
19710 /18281	DEF AT -----	DEF AT 4
19950 /18478	POS AT Middle Miocene (Serravallian) <i>Cibicides opima</i>	DEF AT 4
20610 /19018	DEF AT Bathysiphon fauna	DEF AT 4
20850 /19217	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT 4
20880 /19243	DEF AT Middle Miocene (Serravallian) <i>Praeorbulina glomerosa</i>	DEF IN 4
20910 /19268	DEF AT Middle Miocene (Serravallian) <i>Cibicides barnetti</i>	DEF IN 4
21510 /19782	DEF AT Bathysiphon fauna	DEF IN 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 573	<b>Date of Summary:</b> 01-JAN-2003	<b>First Sample Examined:</b> 11510
<b>Lease Number:</b> G08034	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22030
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 20237
<b>API Well Number:</b> 608184003600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11510 - 22030	<b>Water Depth:</b> 5995
<b>Public Info Code:</b> Y 03-FEB-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21630 /19886	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
21840 /20069	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 4
21900 /20122	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
21957 /20172	POS AT unconformity	DEF AT 5
21958 /20173	POS AT condensed section	DEF AT 5
21959 /20174	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
21960 /20175	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22030 /20236	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 573	Date of Summary: 01-JAN-2003	First Sample Examined: 9110
Lease Number: G08034	Source of Paleo: OPERATOR	Borehole MD: 22030
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20237
API Well Number: 608184003600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 9110 - 22030	Water Depth: 5995
Public Info Code: Y 03-FEB-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9110 / 9110	DEF AT first sample examined	DEF AT
9470 / 9470	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12570 /12304	DEF AT local marker floral increase	DEF AT
12930 /12594	DEF AT reworked material	DEF AT
12990 /12642	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13530 /13086	DEF AT local marker floral increase	DEF AT
13620 /13161	DEF AT reworked material	DEF AT
14640 /14023	DEF AT reworked material	DEF AT
14880 /14229	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14910 /14254	DEF AT reworked material	DEF AT
14940 /14280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15390 /14661	DEF AT reworked material	DEF AT
16320 /15443	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16470 /15571	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16830 /15878	DEF AT reworked material	DEF AT
17010 /16028	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17070 /16078	DEF AT reworked material	DEF AT
17220 /16202	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17310 /16277	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
17340 /16302	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17430 /16377	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17580 /16503	DEF AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 573	<b>Date of Summary:</b> 01-JAN-2003	<b>First Sample Examined:</b> 9110
<b>Lease Number:</b> G08034	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22030
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 20237
<b>API Well Number:</b> 608184003600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9110 - 22030	<b>Water Depth:</b> 5995
<b>Public Info Code:</b> Y 03-FEB-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17610 /16528	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18269 /17084	DEF AT unconformity	DEF AT
18270 /17085	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18450 /17236	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
18600 /17362	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
18870 /17587	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
18930 /17637	DEF AT floral flood	DEF AT
19530 /18132	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19650 /18231	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
20070 /18575	DEF AT local marker floral increase	DEF AT
20610 /19018	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
20880 /19243	POS IN Middle Miocene (Langhian) Discoaster calcosus	DEF AT
21210 /19523	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21330 /19627	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
21600 /19860	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
21810 /20043	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
21900 /20122	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
21960 /20175	DEF AT reworked material	DEF AT
22030 /20236	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 574	<b>Date of Summary:</b> 06-AUG-1998	<b>First Sample Examined:</b> 8050
<b>Lease Number:</b> G08035	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16708
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16707
<b>API Well Number:</b> 608184000800	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 58
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8050 - 16660	<b>Water Depth:</b> 6133
<b>Public Info Code:</b> Y 19-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Neptune Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8050 / 8050	DEF AT first sample examined	POS AT 5
8079 / 8079	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
8080 / 8080	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8170 / 8170	DEF AT -----	POS AT 5
10960 /10960	DEF AT -----	DEF AT 5
11050 /11050	DEF AT -----	POS AT 5
12670 /12669	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS AT 5
13689 /13688	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
13690 /13689	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
13930 /13929	DEF AT cement	DEF AT 5
13990 /13989	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 5
14020 /14019	DEF AT -----	POS AT 5
14050 /14049	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 5
14080 /14079	POS IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	POS AT 5
14304 /14303	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14305 /14304	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
14350 /14349	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 5
14650 /14649	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 5
14755 /14754	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 5
15040 /15039	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 5
15280 /15279	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	POS AT 5
15820 /15819	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 574	<b>Date of Summary:</b> 06-AUG-1998	<b>First Sample Examined:</b> 8050
<b>Lease Number:</b> G08035	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16708
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16707
<b>API Well Number:</b> 608184000800	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 58
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8050 - 16660	<b>Water Depth:</b> 6133
<b>Public Info Code:</b> Y 19-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16240 /16239	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	POS AT 5
16270 /16269	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	POS AT 5
16480 /16479	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 5
16600 /16599	DEF AT Arenaceous fauna (local marker)	POS AT 5
16660 /16659	DEF AT last sample examined	POS AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 574	Date of Summary: 06-AUG-1998	First Sample Examined: 15660
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 19032
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19014
API Well Number: 608184000801	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 58
Paleo Report Num: 1 of 1	Sample Range: 15660 - 19022	Water Depth: 6133
Public Info Code: Y 27-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Neptune Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15660 /15659	DEF AT first sample examined	POS AT 5
15661 /15660	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 5
15990 /15989	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	POS AT 5
16470 /16466	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 5
16660 /16655	DEF AT - - - - -	POS AT 5
16720 /16714	DEF AT Arenaceous fauna (local marker)	POS AT 5
16900 /16893	DEF AT - - - - -	DEF IN 5
17230 /17221	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 5
17260 /17251	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 5
17320 /17311	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
17349 /17340	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
17350 /17341	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
17380 /17370	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5
17410 /17400	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 5
17470 /17460	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5
17500 /17490	DEF AT radiolarians	DEF IN 5
17529 /17519	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5
17530 /17520	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF IN 5
17620 /17609	DEF IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 6
17650 /17639	DEF IN Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT 6
17678 /17667	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 6
17679 /17668	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 574	<b>Date of Summary:</b> 06-AUG-1998	<b>First Sample Examined:</b> 15660
<b>Lease Number:</b> G08035	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19032
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19014
<b>API Well Number:</b> 608184000801	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 58
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15660 - 19022	<b>Water Depth:</b> 6133
<b>Public Info Code:</b> Y 27-AUG-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17680 /17669	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
17709 /17697	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
17710 /17698	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
17770 /17758	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 6
17798 /17786	DEF AT foram flood	DEF AT 6
17799 /17787	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 6
17800 /17788	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 6
17830 /17817	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 6
17950 /17936	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT 6
18010 /17996	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT 6
18280 /18264	DEF AT local marker foram decrease	DEF IN 6
18640 /18623	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 6
18820 /18802	DEF AT -----	POS IN 5
19022 /19004	DEF AT last sample examined	POS IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 574	Date of Summary: 01-AUG-2003	First Sample Examined: 9380
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 19142
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18617
API Well Number: 608184004400	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 9380 - 19146	Water Depth: 6215
Public Info Code: Y 04-SEP-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Neptune Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9380 / 9380	DEF AT first sample examined	DEF AT
9381 / 9381	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
11510 /11509	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
11810 /11809	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
12980 /12979	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14150 /14149	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14180 /14179	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
14330 /14329	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14780 /14779	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14840 /14839	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
15099 /15098	DEF AT unconformity	DEF AT
15100 /15099	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15230 /15229	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15320 /15318	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15470 /15466	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
15560 /15555	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15620 /15613	DEF AT local marker floral increase	DEF AT
16070 /16031	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16250 /16184	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16640 /16485	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
16820 /16609	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17150 /16843	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 574	<b>Date of Summary:</b> 01-AUG-2003	<b>First Sample Examined:</b> 9380
<b>Lease Number:</b> G08035	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19142
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18617
<b>API Well Number:</b> 608184004400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9380 - 19146	<b>Water Depth:</b> 6215
<b>Public Info Code:</b> Y 04-SEP-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17740 /17285	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
17741 /17286	POS AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
18040 /17543	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
18320 /17803	DEF AT local marker floral increase	DEF AT
18321 /17803	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
18900 /18375	POS AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
18940 /18415	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
19020 /18495	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
19060 /18535	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
19100 /18575	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19142 /18617	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 574	<b>Date of Summary:</b> 01-AUG-2003	<b>First Sample Examined:</b> 17270
<b>Lease Number:</b> G08035	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20242
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19343
<b>API Well Number:</b> 608184004401	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17270 - 20242	<b>Water Depth:</b> 6215
<b>Public Info Code:</b> Y 14-SEP-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Neptune Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17270 /16929	DEF AT first sample examined	DEF AT
17359 /16994	POS IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
17360 /16995	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17810 /17320	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
17960 /17427	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
19910 /19012	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
20180 /19281	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
20210 /19311	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 574	Date of Summary: 01-SEP-2003	First Sample Examined: 15170
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 17918
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17470
API Well Number: 608184004402	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 15170 - 17918	Water Depth: 6215
Public Info Code: Y 02-OCT-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Neptune Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15170 /15169	DEF AT first sample examined	DEF AT
15171 /15170	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15410 /15408	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15590 /15586	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
15950 /15935	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16100 /16076	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16220 /16186	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16430 /16372	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16760 /16649	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
16880 /16744	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
17600 /17265	DEF AT sample gap top	DEF AT
17707 /17334	DEF AT sample gap bottom	DEF AT
17708 /17334	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17890 /17452	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 574	<b>Date of Summary:</b> 01-OCT-2006	<b>First Sample Examined:</b> 12080
<b>Lease Number:</b> G08035	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18668
<b>Well Name:</b> SC002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17857
<b>API Well Number:</b> 608184006300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12080 - 18668	<b>Water Depth:</b> 6213
<b>Public Info Code:</b> Y 10-NOV-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Neptune Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12080 /12079	DEF AT first sample examined	DEF AT
12081 /12080	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
12120 /12119	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12900 /12899	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13440 /13439	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14160 /14147	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14340 /14320	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14760 /14715	DEF AT reworked material	DEF AT
15000 /14934	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15118 /15039	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15119 /15040	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
15120 /15041	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15600 /15440	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15690 /15511	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15840 /15628	DEF AT local marker floral increase	DEF AT
16080 /15816	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16410 /16076	DEF AT local marker floral increase	DEF AT
16500 /16147	DEF AT local marker floral increase	DEF AT
16620 /16242	DEF AT local marker floral increase	DEF AT
16860 /16431	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
17010 /16550	DEF AT local marker floral increase	DEF AT
17340 /16810	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 574	<b>Date of Summary:</b> 01-OCT-2006	<b>First Sample Examined:</b> 12080
<b>Lease Number:</b> G08035	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18668
<b>Well Name:</b> SC002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17857
<b>API Well Number:</b> 608184006300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12080 - 18668	<b>Water Depth:</b> 6213
<b>Public Info Code:</b> Y 10-NOV-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17430 /16881	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
17550 /16976	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
17880 /17236	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
18000 /17330	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
18390 /17637	DEF AT local marker floral increase	DEF AT
18420 /17661	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
18450 /17685	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18570 /17779	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18668 /17857	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 575	<b>Date of Summary:</b> 29-SEP-1995	<b>First Sample Examined:</b> 8110
<b>Lease Number:</b> G08036	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19012
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19009
<b>API Well Number:</b> 608184000500	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8110 - 19000	<b>Water Depth:</b> 6220
<b>Public Info Code:</b> Y 26-OCT-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 16690=Helicosphaera euphratis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8110 / 8110	DEF AT first sample examined	DEF AT
8520 / 8520	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14040 /14039	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
14640 /14639	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14850 /14849	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
14890 /14889	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14900 /14899	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15290 /15289	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15540 /15539	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15570 /15569	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15970 /15969	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16110 /16108	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16690 /16688	POS AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
16950 /16948	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17250 /17248	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
17450 /17448	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (variety?)	DEF AT
17460 /17458	DEF AT Lower Miocene (Aquitainian) Sphenolithus dissimilis	DEF AT
17880 /17878	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18610 /18607	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
18700 /18697	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
18720 /18717	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
19000 /18997	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 575	Date of Summary: 03-OCT-1995	First Sample Examined: 8110
Lease Number: G08036	Source of Paleo: OPERATOR	Borehole MD: 19012
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19009
API Well Number: 608184000500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 8110 - 19000	Water Depth: 6220
Public Info Code: Y 26-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8110 / 8110	DEF AT first sample examined	DEF AT
8111 / 8111	DEF AT cement	DEF AT
8400 / 8400	DEF AT -----	DEF IN 5
8820 / 8820	DEF AT -----	POS IN 5
11790 /11789	DEF AT -----	DEF AT 5
11940 /11939	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12360 /12359	DEF AT -----	DEF AT 5
13080 /13079	DEF AT -----	DEF IN 5
14130 /14129	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
14830 /14829	DEF AT -----	DEF AT 6
14859 /14858	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 6
14860 /14859	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
14909 /14908	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
14910 /14909	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
15150 /15149	DEF AT -----	DEF IN 5
15510 /15509	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS IN 5
15850 /15849	DEF AT -----	DEF IN 5
15860 /15859	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
15930 /15929	DEF AT -----	DEF AT 6
16020 /16019	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
16950 /16948	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
17530 /17528	DEF AT Lower Miocene (Aquitanean) Globigerinoides primordius	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 575	<b>Date of Summary:</b> 03-OCT-1995	<b>First Sample Examined:</b> 8110
<b>Lease Number:</b> G08036	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19012
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19009
<b>API Well Number:</b> 608184000500	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8110 - 19000	<b>Water Depth:</b> 6220
<b>Public Info Code:</b> Y 26-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17590 /17588	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
18999 /18996	POS IN Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
19000 /18997	DEF AT last sample examined	DEF AT 6

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 617	<b>Date of Summary:</b> 07-JUL-2002	<b>First Sample Examined:</b> 9170
<b>Lease Number:</b> G08037	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18643
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18512
<b>API Well Number:</b> 608184003000	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9170 - 18482	<b>Water Depth:</b> 6139
<b>Public Info Code:</b> Y 12-AUG-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, 16520=middle Miocene Catinaster sp A, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9170 / 9169	DEF AT first sample examined	DEF AT
9171 / 9170	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9350 / 9349	DEF AT reworked material	DEF AT
9500 / 9499	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9680 / 9678	DEF AT reworked material	DEF AT
9740 / 9738	DEF AT reworked material	DEF AT
12050 /12046	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
12290 /12286	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
13580 /13532	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
13820 /13757	DEF AT local marker floral increase	DEF AT
13940 /13870	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14180 /14095	DEF AT reworked material	DEF AT
14330 /14237	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14930 /14809	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15230 /15105	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
15320 /15194	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15499 /15373	DEF AT unconformity	DEF AT
15500 /15374	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15620 /15494	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15860 /15734	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15949 /15823	DEF AT unconformity	DEF AT
15950 /15824	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 617	Date of Summary: 07-JUL-2002	First Sample Examined: 9170
Lease Number: G08037	Source of Paleo: OPERATOR	Borehole MD: 18643
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18512
API Well Number: 608184003000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 9170 - 18482	Water Depth: 6139
Public Info Code: Y 12-AUG-2012	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16219 /16092	DEF AT unconformity	DEF AT
16220 /16093	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16400 /16273	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
16520 /16393	DEF AT local marker floral increase	DEF AT
16640 /16513	DEF AT reworked material	DEF AT
16730 /16603	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16740 /16613	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16750 /16623	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16850 /16722	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17210 /17081	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17630 /17500	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17690 /17560	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
17780 /17649	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
17781 /17650	POS IN Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
17840 /17709	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
17910 /17779	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
17911 /17780	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
17920 /17789	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17975 /17843	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
18020 /17888	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
18035 /17903	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
18110 /17978	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18470 /18338	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 617	Date of Summary: 01-MAY-2007	First Sample Examined: 14220
Lease Number: G08037	Source of Paleo: OPERATOR	Borehole MD: 17794
Well Name: SA001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17417
API Well Number: 608184006000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 14220 - 17794	Water Depth: 6171
Public Info Code: Y 17-OCT-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Neptune Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14220 /14218	DEF AT first sample examined	DEF AT
14280 /14278	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14879 /14877	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
14880 /14878	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15180 /15178	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15420 /15415	DEF AT local marker floral increase	DEF AT
15480 /15473	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15780 /15760	POS AT local marker floral increase	DEF AT
15900 /15872	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16080 /16037	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16290 /16224	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
16530 /16429	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
16650 /16529	DEF AT Middle Miocene (Langhian) Discoaster trinidadensis	DEF AT
16860 /16698	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
16890 /16722	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
16920 /16745	DEF AT local marker floral increase	DEF AT
17069 /16860	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
17070 /16861	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
17100 /16884	DEF AT local marker floral increase	DEF AT
17550 /17229	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17760 /17391	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
17794 /17417	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 617	<b>Date of Summary:</b> 01-FEB-2012	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G08037	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19913
<b>Well Name:</b> SA001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18586
<b>API Well Number:</b> 608184006001	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13500 - 19912	<b>Water Depth:</b> 6171
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13498	DEF AT first sample examined	POS AT 4
13501 /13499	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	POS AT 4
13530 /13528	DEF AT -----	DEF AT 4
13590 /13588	DEF AT -----	DEF AT 5
13620 /13618	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13680 /13678	DEF AT -----	DEF AT 4
14070 /14062	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
14340 /14320	DEF AT -----	POS AT 5
14370 /14348	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS AT 5
14850 /14781	DEF AT -----	DEF AT 5
15030 /14932	DEF AT -----	DEF AT 4
15450 /15249	DEF AT limestone	POS AT 4
15510 /15290	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 4
15630 /15370	DEF AT Upper Miocene (Tortonian) Uvigerina 3	POS AT 4
16410 /15881	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
16530 /15959	DEF AT pyrite	DEF AT 4
16950 /16235	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
17105 /16337	DEF AT -----	DEF AT 4
17160 /16373	DEF AT -----	POS AT 4
17370 /16510	DEF AT -----	DEF AT 5
17430 /16549	DEF AT -----	DEF AT 4
17460 /16569	DEF AT local marker benthic foram increase	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 617	Date of Summary: 01-FEB-2012	First Sample Examined: 13500
Lease Number: G08037	Source of Paleo: OPERATOR	Borehole MD: 19913
Well Name: SA001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18586
API Well Number: 608184006001	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13500 - 19912	Water Depth: 6171
Public Info Code: Y 17-OCT-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17520 /16608	DEF AT limestone	DEF AT 4
17610 /16667	DEF AT -----	DEF AT 5
17700 /16726	DEF AT -----	POS AT 4
17760 /16765	DEF AT -----	DEF AT 5
17850 /16824	DEF AT pyrite	DEF AT 5
17940 /16883	DEF AT -----	POS AT 5
18060 /16965	DEF AT -----	POS AT 4
18540 /17331	DEF AT Arenaceous fauna (local marker)	POS AT 4
18600 /17381	DEF AT -----	DEF AT 4
18660 /17432	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18750 /17510	DEF AT limestone	POS AT 4
18780 /17536	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	POS AT 4
18900 /17643	POS AT Middle Miocene (Langhian) Globigerinatella insueta	POS AT 4
18930 /17670	DEF AT -----	DEF AT 4
18960 /17697	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
19080 /17808	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
19110 /17835	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	POS AT 4
19560 /18255	DEF AT local marker planktic foram increase	POS AT 4
19680 /18367	DEF AT local marker foram increase	POS AT 4
19830 /18508	DEF AT Arenaceous fauna (local marker)	POS AT 4
19912 /18585	DEF AT last sample examined	POS AT 4

**This report contains public paleo reports only for the time period stated**



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 617	<b>Date of Summary:</b> 13-MAR-2012	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G08037	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19913
<b>Well Name:</b> SA001	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 18586
<b>API Well Number:</b> 608184006001	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13500 - 19912	<b>Water Depth:</b> 6171
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13498	DEF AT first sample examined	DEF AT
13501 /13499	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
14070 /14062	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14130 /14120	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14610 /14568	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
14730 /14675	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15210 /15074	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
15630 /15370	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15749 /15447	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15750 /15448	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
15930 /15566	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
16770 /16117	DEF AT local marker floral increase	DEF AT
17640 /16687	DEF AT condensed section	DEF AT
17970 /16903	DEF AT local marker floral increase	DEF AT
18149 /17028	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18150 /17029	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18540 /17331	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18599 /17381	DEF AT sequence boundary	DEF AT
18600 /17381	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18900 /17643	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
19050 /17780	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
19650 /18339	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 617	<b>Date of Summary:</b> 13-MAR-2012	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G08037	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19913
<b>Well Name:</b> SA001	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 18586
<b>API Well Number:</b> 608184006001	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13500 - 19912	<b>Water Depth:</b> 6171
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19830 /18508	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
19860 /18536	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19912 /18585	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 618	<b>Date of Summary:</b> 01-APR-2004	<b>First Sample Examined:</b> 9290
<b>Lease Number:</b> G08038	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18714
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18279
<b>API Well Number:</b> 608184004700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9290 - 18700	<b>Water Depth:</b> 6257
<b>Public Info Code:</b> Y 01-MAY-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Neptune 7 Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9290 / 9290	DEF AT first sample examined	DEF AT
9291 / 9291	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
11470 /11470	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
11710 /11710	DEF AT reworked material	DEF AT
11980 /11980	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13030 /13030	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13210 /13210	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13810 /13810	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14050 /14050	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14560 /14560	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14620 /14620	DEF AT reworked material	DEF AT
14920 /14920	POS IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
14950 /14950	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15310 /15309	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15640 /15636	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
15910 /15900	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16120 /16102	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16660 /16596	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16780 /16701	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16840 /16752	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17110 /16975	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
17230 /17072	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 618	<b>Date of Summary:</b> 01-APR-2004	<b>First Sample Examined:</b> 9290
<b>Lease Number:</b> G08038	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18714
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18279
<b>API Well Number:</b> 608184004700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9290 - 18700	<b>Water Depth:</b> 6257
<b>Public Info Code:</b> Y 01-MAY-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17530 /17313	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
17680 /17434	DEF AT reworked material	DEF AT
18010 /17701	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
18310 /17946	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
18400 /18020	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
18460 /18069	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18490 /18094	DEF AT reworked material	DEF AT
18700 /18267	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> AT 618	<b>Date of Summary:</b> 01-MAY-2004	<b>First Sample Examined:</b> 9290
<b>Lease Number:</b> G08038	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18714
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18279
<b>API Well Number:</b> 608184004700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9290 - 18670	<b>Water Depth:</b> 6257
<b>Public Info Code:</b> Y 01-MAY-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Neptune 7 Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9290 / 9290	DEF AT first sample examined	POS AT 4
9410 / 9410	DEF IN Holocene Globorotalia inflata	POS AT 4
9860 / 9860	DEF AT faunal change (no faunal increase)	DEF AT 4
10010 /10010	POS AT transported shelf fauna	POS AT 4
11320 /11320	POS AT local marker foram increase	DEF AT 4
11800 /11800	DEF AT local marker benthic foram increase	DEF AT 4
11950 /11950	DEF AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF AT 4
12370 /12370	POS AT transported shelf fauna	DEF AT 4
12580 /12580	DEF AT faunal change (no faunal increase)	DEF IN 4
12640 /12640	DEF AT local marker foram increase	DEF IN 4
12820 /12820	DEF AT faunal change (no faunal increase)	DEF AT 4
13180 /13180	DEF AT local marker planktic foram increase	DEF AT 4
13809 /13809	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
13810 /13810	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
13990 /13990	DEF AT faunal change (no faunal increase)	DEF IN 4
14560 /14560	DEF AT faunal change (no faunal increase)	DEF AT 5
14770 /14770	DEF AT limestone	DEF AT 5
14890 /14890	DEF AT faunal change (no faunal increase)	DEF AT 4
14918 /14918	DEF AT unconformity	DEF AT 4
14919 /14919	DEF AT pyrite	DEF AT 4
14920 /14920	DEF IN Upper (Late) Miocene	DEF AT 4
14949 /14949	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: AT 618  
Lease Number: G08038  
Well Name: 002  
API Well Number: 608184004700  
Paleo Report Num: 2 of 2  
Public Info Code: Y 01-MAY-2014

Date of Summary: 01-MAY-2004  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 9290 - 18670  
Ecozone Eq MMS: Y

First Sample Examined: 9290  
Borehole MD: 18714  
Borehole TVD: 18279  
Rkb Elevation: 75  
Water Depth: 6257  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14950 /14950	POS AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
15310 /15309	DEF AT local marker foram increase	DEF AT 4
15520 /15517	DEF AT local marker foram decrease	POS AT 4
15910 /15900	DEF AT faunal change (no faunal increase)	DEF AT 4
16119 /16101	DEF AT pyrite	DEF IN 4
16120 /16102	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
16660 /16596	DEF AT local marker foram decrease	DEF IN 4
16930 /16828	DEF AT faunal change (no faunal increase)	DEF AT 4
17199 /17047	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17200 /17048	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
17380 /17193	POS AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
17530 /17313	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
17650 /17410	DEF AT pyrite	DEF AT 4
17830 /17555	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
18009 /17700	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
18010 /17701	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
18190 /17847	DEF AT local marker foram increase	DEF IN 4
18310 /17946	DEF AT faunal change (no faunal increase)	DEF AT 4
18640 /18218	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
18670 /18242	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 364	Date of Summary: 17-JUN-1992	First Sample Examined: 0
Lease Number: G07214	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9070
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9070
API Well Number: 427044024700	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 66
Public Info Code: Y 09-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7470 / 7469	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7827 / 7826	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 364	<b>Date of Summary:</b> 14-OCT-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07214	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9454
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8618
<b>API Well Number:</b> 427044024900	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 66
<b>Public Info Code:</b> Y 29-SEP-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8110 / 7379	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8840 / 8052	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 366	Date of Summary: 30-NOV-2005	First Sample Examined: 6480
Lease Number: G25512	Source of Paleo: OPERATOR	Borehole MD: 16889
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16885
API Well Number: 427044035300	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 6480 - 16860	Water Depth: 56
Public Info Code: Y 30-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6480 / 6480	DEF AT first sample examined	DEF IN 3
6660 / 6660	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
7620 / 7620	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
9030 / 9030	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 3
9630 / 9630	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 3
10950 / 10949	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 3
11310 / 11309	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF IN 3
11330 / 11329	DEF AT -----	DEF AT 4
11430 / 11429	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (variety?)	DEF AT 4
11670 / 11669	DEF AT -----	DEF AT 5
11910 / 11909	DEF AT -----	DEF AT 4
12480 / 12479	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
15210 / 15209	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
16860 / 16856	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 375	Date of Summary: 22-OCT-2001	First Sample Examined: 0
Lease Number: G07215	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9590
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8593
API Well Number: 427044031900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 22-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7154 / 6718	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8142 / 7518	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 375	Date of Summary: 22-SEP-1992	First Sample Examined: 1030
Lease Number: G09010	Source of Paleo: OPERATOR	Borehole MD: 8200
Well Name: 002	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 8200
API Well Number: 427044026300	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 1030 - 8210	Water Depth: 63
Public Info Code: Y 16-OCT-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1030 / 1030	DEF AT first sample examined	DEF AT 1
1960 / 1960	DEF AT local marker (general)	DEF AT 1
2140 / 2140	DEF AT local marker (general)	DEF AT 1
2800 / 2800	DEF AT cement	POS AT 1
2830 / 2830	POS AT - - - - -	DEF AT 1
2950 / 2950	DEF AT - - - - -	DEF AT 1
3490 / 3490	DEF AT local marker (general)	DEF AT 1
4840 / 4840	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
5470 / 5470	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
5770 / 5770	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
5860 / 5860	DEF AT local marker (general)	DEF AT 1
6230 / 6230	POS AT local marker (general)	DEF AT 1
6290 / 6290	DEF AT local marker foram increase	DEF AT 1
6410 / 6410	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 1
7160 / 7159	DEF AT local marker (general)	DEF AT 1
7490 / 7489	DEF AT local marker (general)	DEF AT 1
8150 / 8149	POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 1
8180 / 8179	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 375	Date of Summary: 04-AUG-1999	First Sample Examined: 0
Lease Number: G09010	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9563
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 8597
API Well Number: 427044027900	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 59
Public Info Code: Y 04-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6810 / 6623	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8612 / 7911	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 375	<b>Date of Summary:</b> 03-MAR-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09010	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9145
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8494
<b>API Well Number:</b> 427044019400	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 62
<b>Public Info Code:</b> Y 20-JUL-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7060 / 6621	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7391 / 6910	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 375  
 Lease Number: G09010  
 Well Name: A002  
 API Well Number: 427044031800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-DEC-2008

Date of Summary: 12-AUG-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12470  
 Borehole TVD: 8188  
 Rkb Elevation: 62  
 Water Depth: 62  
 Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8970 / 5720	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10111 / 6348	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10616 / 6678	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11375 / 7284	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 376	<b>Date of Summary:</b> 04-APR-1992	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G07215	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8380
<b>Well Name:</b> 004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8378
<b>API Well Number:</b> 427044022900	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5000 - 8180	<b>Water Depth:</b> 66
<b>Public Info Code:</b> Y 25-JAN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Reported as well F001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 4999	DEF AT first sample examined	DEF AT 1
5420 / 5419	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
5840 / 5839	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
5900 / 5899	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
5960 / 5959	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
6380 / 6378	DEF AT sample gap top	POS AT 2
6440 / 6438	DEF AT sample gap bottom	DEF AT 2
6590 / 6588	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
6740 / 6738	DEF AT - - - - -	DEF AT 3
7550 / 7548	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8180 / 8178	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 376	<b>Date of Summary:</b> 06-JUN-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07215	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9619
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7900
<b>API Well Number:</b> 427044032500	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 116
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 56
<b>Public Info Code:</b> Y 24-MAY-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7507 / 6881	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8767 / 7506	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 397	<b>Date of Summary:</b> 07-MAR-2006	<b>First Sample Examined:</b> 4012
<b>Lease Number:</b> G23160	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9236
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7132
<b>API Well Number:</b> 427044035500	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4012 - 9237	<b>Water Depth:</b> 80
<b>Public Info Code:</b> Y 30-NOV-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4012 / 3461	DEF AT first sample examined	DEF AT 1
4600 / 3875	DEF AT - - - - -	DEF AT 2
4630 / 3895	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
6940 / 5442	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7450 / 5795	DEF AT - - - - -	DEF AT 3
8680 / 6699	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
9236 / 7132	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 399	<b>Date of Summary:</b> 06-MAR-1991	<b>First Sample Examined:</b> 6980
<b>Lease Number:</b> G07218	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11742
<b>Well Name:</b> A002	<b>Paleo Done By:</b> STORK & ASS.	<b>Borehole TVD:</b> 10802
<b>API Well Number:</b> 427044022400	<b>Drilling Operator:</b> SEAGULL ENERGY E&P INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6980 - 11742	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 26-SEP-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6980 / 6951	DEF AT first sample examined	DEF AT 2
6981 / 6952	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
7580 / 7472	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
8990 / 8579	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 2
9800 / 9229	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 1
11690 / 10760	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 399  
 Lease Number: G07218  
 Well Name: A003  
 API Well Number: 427044030900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-JAN-2003

Date of Summary: 10-MAY-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: SEAGULL ENERGY E&P INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9314  
 Borehole TVD: 8200  
 Rkb Elevation: 113  
 Water Depth: 65  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6890 / 6739	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8235 / 7580	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 412	Date of Summary: 12-JUN-1990	First Sample Examined: 0
Lease Number: G05003	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7600
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 7599
API Well Number: 427044022100	Drilling Operator: MIDGARD ENERGY COMPANY	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 03-MAR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6111 / 6111	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7038 / 7037	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 412	Date of Summary: 17-AUG-1999	First Sample Examined: 0
Lease Number: G05003	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8653
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 7916
API Well Number: 427044019100	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 01-MAR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6840 / 6357	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7850 / 7223	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 417	Date of Summary: 11-OCT-2001	First Sample Examined: 0
Lease Number: G22190	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8124
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7912
API Well Number: 427044033301	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 91
Public Info Code: Y 28-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7827 / 7615	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 431	Date of Summary: 01-MAY-1991	First Sample Examined: 0
Lease Number: G09017	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7762
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 7600
API Well Number: 427044023501	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 89
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6474 / 6355	POS IN Upper (Late) Miocene	DEF AT
7465 / 7308	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 432	<b>Date of Summary:</b> 28-OCT-1991	<b>First Sample Examined:</b> 4980
<b>Lease Number:</b> G09018	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7579
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO CONTROL INC.	<b>Borehole TVD:</b> 7578
<b>API Well Number:</b> 427044025400	<b>Drilling Operator:</b> SEAGULL ENERGY E&P INC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4980 - 7560	<b>Water Depth:</b> 85
<b>Public Info Code:</b> Y 14-NOV-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4980 / 4979	DEF AT first sample examined	DEF AT 1
4981 / 4980	DEF IN Miocene	DEF AT 1
5700 / 5699	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
7110 / 7109	DEF AT deepwater facies Harang	DEF AT 2
7470 / 7469	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
7530 / 7529	DEF AT last sample examined	DEF AT 1



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 432  
 Lease Number: G09018  
 Well Name: 001  
 API Well Number: 427044025401  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 22-NOV-2001

Date of Summary: 07-NOV-1991  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO CONTROL INC.  
 Drilling Operator: SEAGULL ENERGY E&P INC  
 Sample Range: 5550 - 7650  
 Ecozone Eq MMS: Y

First Sample Examined: 5550  
 Borehole MD: 7652  
 Borehole TVD: 7556  
 Rkb Elevation: 96  
 Water Depth: 85  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5550 / 5549	DEF AT first sample examined	DEF AT 1
5551 / 5550	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
6570 / 6552	DEF AT local marker planktic foram increase	DEF AT 1
7020 / 6975	DEF AT Arenaceous fauna (local marker)	DEF AT 2
7530 / 7444	DEF AT sand	DEF AT 1
7620 / 7527	DEF AT last sample examined	DEF AT 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 439  
 Lease Number: G11272  
 Well Name: 001  
 API Well Number: 427044022600  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 16-OCT-2000

Date of Summary: 26-JUL-1996  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: ASHLAND OIL INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 7798  
 Borehole TVD: 7798  
 Rkb Elevation: 94  
 Water Depth: 67  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5866 / 5866	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6642 / 6642	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 451	<b>Date of Summary:</b> 09-APR-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03935	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8484
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8250
<b>API Well Number:</b> 427044023400	<b>Drilling Operator:</b> ATLANTIC RICHFIELD COMPANY	<b>Rkb Elevation:</b> 44
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 68
<b>Public Info Code:</b> Y 21-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5090 / 5090	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6004 / 5988	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6954 / 6840	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 475	Date of Summary: 09-APR-1991	First Sample Examined: 0
Lease Number: G09021	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7700
API Well Number: 427044023300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 06-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6520 / 6519	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 490	<b>Date of Summary:</b> 10-JUN-2003	<b>First Sample Examined:</b> 4890
<b>Lease Number:</b> G22193	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15911
<b>API Well Number:</b> 427044034200	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4890 - 16000	<b>Water Depth:</b> 70
<b>Public Info Code:</b> Y 04-MAY-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4890 / 4890	DEF AT first sample examined	DEF AT 2
4920 / 4920	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
5340 / 5340	DEF AT - - - - -	DEF AT 3
5430 / 5430	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
5580 / 5580	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
5640 / 5640	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
6240 / 6240	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
7110 / 7109	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
7620 / 7619	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
8100 / 8098	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
8820 / 8816	DEF AT - - - - -	DEF AT 4
11670 / 11659	DEF AT - - - - -	DEF AT 5
12690 / 12677	DEF AT - - - - -	DEF AT 4
13650 / 13635	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 4
13710 / 13695	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 4
15060 / 15036	POS AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 4
15450 / 15411	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
15720 / 15659	DEF AT salt	DEF AT 4
16000 / 15911	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 490	<b>Date of Summary:</b> 10-JUN-2003	<b>First Sample Examined:</b> 8820
<b>Lease Number:</b> G22193	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15911
<b>API Well Number:</b> 427044034200	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8820 - 16000	<b>Water Depth:</b> 70
<b>Public Info Code:</b> Y 04-MAY-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8820 / 8816	DEF AT first sample examined	DEF AT
8821 / 8817	DEF IN Middle Miocene (Langhian) Discoaster calcosus	DEF AT
10200 /10196	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13500 /13485	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
16000 /15911	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 494	<b>Date of Summary:</b> 03-DEC-1996	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G06071	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15130
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14049
<b>API Well Number:</b> 427044030100	<b>Drilling Operator:</b> APACHE CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11000 - 13700	<b>Water Depth:</b> 87
<b>Public Info Code:</b> Y 26-JAN-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10335	DEF AT first sample examined	DEF AT 3
11060 /10390	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
12890 /11993	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
13700 /12736	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 494	Date of Summary: 03-DEC-1996	First Sample Examined: 13680
Lease Number: G06071	Source of Paleo: OPERATOR	Borehole MD: 15130
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14049
API Well Number: 427044030100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 13680 - 15130	Water Depth: 87
Public Info Code: Y 26-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack 1 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13680 /12717	DEF AT first sample examined	DEF AT 3
15130 /14049	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 494	<b>Date of Summary:</b> 12-AUG-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06071	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14560
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13835
<b>API Well Number:</b> 427044028900	<b>Drilling Operator:</b> AQUILA ENERGY RESOURCES CORPORATION	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 79
<b>Public Info Code:</b> Y 26-JAN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 6988	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7490 / 7488	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8500 / 8498	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12230 / 11988	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
14500 / 13778	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 501  
Lease Number: G15723  
Well Name: 001  
API Well Number: 427044030500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-OCT-2000

Date of Summary: 24-JUL-1997  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: SEAGULL ENERGY E&P INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 11909  
Borehole TVD: 8750  
Rkb Elevation: 95  
Water Depth: 102  
Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5218 / 4285	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5634 / 4563	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6742 / 5297	DEF AT Cyclammia sp. (local marker)	DEF AT
8308 / 6335	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
15095 /	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 505	Date of Summary: 29-APR-1997	First Sample Examined: 0
Lease Number: G15724	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8020
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8020
API Well Number: 427044030800	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 108
Public Info Code: Y 31-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6820 / 6820	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 515	Date of Summary: 19-JUN-1990	First Sample Examined: 0
Lease Number: G11277	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8387
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8387
API Well Number: 427044021400	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 30-MAY-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4880 / 4880	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
5270 / 5270	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
5450 / 5449	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6110 / 6109	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
6680 / 6679	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT
6740 / 6739	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
7250 / 7249	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8070 / 8069	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 515	Date of Summary: 23-JAN-1991	First Sample Examined: 0
Lease Number: G11277	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7535
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 7534
API Well Number: 427044023000	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 24-JAN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5470 / 5470	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6230 / 6230	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 541	<b>Date of Summary:</b> 12-OCT-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14812	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8775
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8493
<b>API Well Number:</b> 427044032200	<b>Drilling Operator:</b> COCKRELL OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 108
<b>Public Info Code:</b> Y 14-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4795 / 4795	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5830 / 5830	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6637 / 6626	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT
7270 / 7217	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 542	<b>Date of Summary:</b> 07-AUG-2000	<b>First Sample Examined:</b> 10500
<b>Lease Number:</b> G12465	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18535
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO CONTROL INC.	<b>Borehole TVD:</b> 18506
<b>API Well Number:</b> 427044032400	<b>Drilling Operator:</b> COCKRELL OIL CORPORATION	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4200 - 18538	<b>Water Depth:</b> 123
<b>Public Info Code:</b> Y 01-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10498	DEF AT first sample examined	DEF IN 2
10501 /10499	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF IN 2
11010 /11008	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 2
12000 /11997	DEF AT -----	DEF AT 3
12240 /12237	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
12420 /12417	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 3
12510 /12507	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
12630 /12627	DEF AT -----	DEF IN 2
13230 /13227	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 2
14220 /14215	DEF AT -----	DEF AT 2
14730 /14725	DEF AT -----	POS AT 2
14880 /14875	DEF AT -----	DEF AT 2
14910 /14905	DEF AT -----	POS AT 2
15270 /15265	DEF AT -----	DEF AT 2
15330 /15325	DEF AT -----	POS AT 2
15600 /15595	DEF AT -----	DEF AT 2
15690 /15685	DEF AT -----	POS AT 2
16080 /16075	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
16140 /16135	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 2
16440 /16435	DEF AT -----	DEF IN 2
16500 /16495	DEF AT -----	DEF AT 2
16530 /16525	DEF AT -----	POS AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 542	<b>Date of Summary:</b> 07-AUG-2000	<b>First Sample Examined:</b> 10500
<b>Lease Number:</b> G12465	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18535
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO CONTROL INC.	<b>Borehole TVD:</b> 18506
<b>API Well Number:</b> 427044032400	<b>Drilling Operator:</b> COCKRELL OIL CORPORATION	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4200 - 18538	<b>Water Depth:</b> 123
<b>Public Info Code:</b> Y 01-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17189 /17183	DEF AT unconformity	DEF AT 4
17190 /17184	POS AT faunal change (no faunal increase)	DEF AT 4
17191 /17185	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
17400 /17393	DEF AT -----	POS AT 4
17640 /17630	DEF AT drilling material	DEF AT
17670 /17660	DEF AT -----	DEF AT 4
17790 /17778	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
18150 /18132	DEF AT -----	POS AT 4
18510 /18482	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 542  
 Lease Number: G12465  
 Well Name: 003  
 API Well Number: 427044032400  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 01-JUL-2007

Date of Summary: 02-OCT-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: COCKRELL OIL CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 18535  
 Borehole TVD: 18506  
 Rkb Elevation: 94  
 Water Depth: 123  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12510 /12507	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
16140 /16135	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
17190 /17184	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 542	<b>Date of Summary:</b> 26-MAR-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12465	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11325
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11323
<b>API Well Number:</b> 427044024500	<b>Drilling Operator:</b> COCKRELL OIL CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 117
<b>Public Info Code:</b> Y 20-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5230 / 5230	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6130 / 6130	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8019 / 8018	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9878 / 9877	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 544	Date of Summary: 10-JAN-1992	First Sample Examined: 4000
Lease Number: G10226	Source of Paleo: OPERATOR	Borehole MD: 9500
Well Name: A001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 9500
API Well Number: 427044025700	Drilling Operator: TRANSCO EXPLORATION COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4000 - 9500	Water Depth: 117
Public Info Code: Y 06-FEB-2002	Ecozone Eq MMS: N	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT 1
4001 / 4001	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
4210 / 4210	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
4960 / 4960	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 1
5140 / 5140	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 1
5290 / 5290	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 1
5860 / 5860	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 1
6220 / 6220	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
6520 / 6520	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 1
6640 / 6640	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 1
6910 / 6910	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 1
7570 / 7570	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 1
7681 / 7681	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
8259 / 8259	DEF AT Bathysiphon fauna	DEF AT 1
8260 / 8260	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 1
9160 / 9160	DEF AT Eggerella sp. (local marker)	DEF AT 1
9490 / 9490	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 544	<b>Date of Summary:</b> 20-DEC-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10226	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11221
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10500
<b>API Well Number:</b> 427044028200	<b>Drilling Operator:</b> COCKRELL OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 117
<b>Public Info Code:</b> Y 24-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5450 / 5044	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6890 / 6290	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9590 / 8870	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9710 / 8990	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 552	Date of Summary: 01-JUN-1993	First Sample Examined: 0
Lease Number: G11283	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7300
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 7300
API Well Number: 427044026900	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 79
Public Info Code: Y 11-JUN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5510 / 5510	POS AT Lower (Early) Miocene	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 552	Date of Summary: 14-DEC-1993	First Sample Examined: 0
Lease Number: G11283	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6624
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 6624
API Well Number: 427044027500	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 29-SEP-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5365 / 5365	POS AT Lower (Early) Miocene	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 552	Date of Summary: 11-NOV-1994	First Sample Examined: 0
Lease Number: G11283	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7250
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7250
API Well Number: 427044026600	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 79
Public Info Code: Y 30-JAN-2003	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 5500	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6250 / 6250	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA 552	<b>Date of Summary:</b> 11-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11283	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8216
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7300
<b>API Well Number:</b> 427044030600	<b>Drilling Operator:</b> SEAGULL ENERGY E&P INC	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 78
<b>Public Info Code:</b> Y 29-SEP-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6249 / 5600	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6981 / 6224	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA 577	Date of Summary: 07-AUG-2000	First Sample Examined: 0
Lease Number: G17111	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8532
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8531
API Well Number: 427044032700	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 31-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5885 / 5885	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
7650 / 7649	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 1	<b>Date of Summary:</b> 28-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21312	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11800
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11800
<b>API Well Number:</b> 427044032800	<b>Drilling Operator:</b> CHIEFTAIN INTERNATIONAL US INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 115
<b>Public Info Code:</b> Y 30-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6939 / 6939	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
7952 / 7952	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9430 / 9428	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
11297 / 11291	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 10	Date of Summary: 09-SEP-2003	First Sample Examined: 5100
Lease Number: G21314	Source of Paleo: OPERATOR	Borehole MD: 18258
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18245
API Well Number: 427044034400	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 5100 - 18256	Water Depth: 127
Public Info Code: Y 30-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5100 / 5100	DEF AT first sample examined	DEF AT 2
5160 / 5160	DEF AT - - - - -	DEF AT 3
5220 / 5220	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
5490 / 5490	DEF AT - - - - -	DEF AT 2
5730 / 5730	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6270 / 6270	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6780 / 6780	DEF AT - - - - -	DEF AT 3
8370 / 8370	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
8550 / 8550	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
8910 / 8910	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
11310 / 11310	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
11910 / 11909	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12060 / 12059	DEF AT last sample examined	DEF AT 4
15210 / 15205	DEF AT - - - - -	DEF AT 3
15570 / 15564	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
18256 / 18244	DEF AT last sample examined	DEF AT 3

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 10	<b>Date of Summary:</b> 09-SEP-2003	<b>First Sample Examined:</b> 12060
<b>Lease Number:</b> G21314	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18258
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18245
<b>API Well Number:</b> 427044034400	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12060 - 18256	<b>Water Depth:</b> 127
<b>Public Info Code:</b> Y 30-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12060 /12059	DEF AT first sample examined	DEF AT
12545 /12544	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15800 /15794	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18256 /18244	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 19	<b>Date of Summary:</b> 01-DEC-2001	<b>First Sample Examined:</b> 13200
<b>Lease Number:</b> G03936	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20173
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 20146
<b>API Well Number:</b> 427044033500	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13200 - 20173	<b>Water Depth:</b> 133
<b>Public Info Code:</b> Y 28-FEB-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13200 /13200	DEF AT first sample examined	DEF AT
13920 /13920	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15060 /15059	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15090 /15089	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20173 /20146	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 19  
Lease Number: G03936  
Well Name: 001  
API Well Number: 427044033500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 28-FEB-2009

Date of Summary: 12-DEC-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 270 - 20173  
Ecozone Eq MMS: Y

First Sample Examined: 270  
Borehole MD: 20173  
Borehole TVD: 20146  
Rkb Elevation: 114  
Water Depth: 133  
Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
270 / 270	DEF AT first sample examined	DEF AT 1
570 / 570	DEF AT -----	DEF IN 1
750 / 750	DEF AT local marker foram increase	DEF IN 1
870 / 870	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 1
990 / 990	DEF AT -----	POS AT 1
1020 / 1020	DEF AT local marker foram increase	DEF AT 2
1080 / 1080	DEF AT -----	POS AT 2
1110 / 1110	DEF AT -----	DEF IN 1
1320 / 1320	DEF AT -----	DEF AT 2
1980 / 1980	DEF AT -----	DEF IN 1
2040 / 2040	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
2340 / 2340	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
2370 / 2370	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
2670 / 2670	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 2
2730 / 2730	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
2760 / 2760	DEF AT local marker foram increase	DEF AT 2
2790 / 2790	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 2
2820 / 2820	DEF AT -----	DEF IN 2
3000 / 3000	DEF AT -----	POS AT 2
3030 / 3030	DEF AT -----	DEF IN 2
3090 / 3090	DEF AT sample gap top	POS AT 2
3150 / 3150	DEF AT sample gap bottom	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 19  
Lease Number: G03936  
Well Name: 001  
API Well Number: 427044033500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 28-FEB-2009

Date of Summary: 12-DEC-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 270 - 20173  
Ecozone Eq MMS: Y

First Sample Examined: 270  
Borehole MD: 20173  
Borehole TVD: 20146  
Rkb Elevation: 114  
Water Depth: 133  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3240 / 3240	DEF AT -----	POS IN 2
3270 / 3270	DEF AT -----	DEF IN 2
3300 / 3300	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 2
3390 / 3390	DEF AT sample gap top	POS IN 2
3490 / 3490	DEF AT sample gap bottom	DEF IN 2
3570 / 3570	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 2
3630 / 3630	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 2
3690 / 3690	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
3720 / 3720	DEF AT -----	POS IN 2
3750 / 3750	DEF AT -----	DEF AT 3
3780 / 3780	DEF AT -----	DEF IN 2
3810 / 3810	DEF AT poor sample interval top	DEF IN 2
3840 / 3840	DEF AT poor sample interval bottom	DEF IN 2
3900 / 3900	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
4350 / 4350	POS AT Upper Miocene (Tortonian) Textularia 6	DEF IN 2
4483 / 4483	DEF AT cement	DEF IN 2
4620 / 4620	DEF AT -----	DEF AT 2
4800 / 4800	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
4920 / 4920	DEF AT local marker foram increase	DEF AT 2
5100 / 5100	DEF AT local marker foram increase	DEF AT 2
5850 / 5850	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
6030 / 6030	DEF AT -----	DEF IN 1
6780 / 6780	DEF AT -----	DEF AT 2
6840 / 6840	DEF AT local marker foram increase	DEF AT 2

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 19  
 Lease Number: G03936  
 Well Name: 001  
 API Well Number: 427044033500  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 28-FEB-2009

Date of Summary: 12-DEC-2001  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 270 - 20173  
 Ecozone Eq MMS: Y

First Sample Examined: 270  
 Borehole MD: 20173  
 Borehole TVD: 20146  
 Rkb Elevation: 114  
 Water Depth: 133  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7140 / 7140	DEF AT local marker foram increase	DEF AT 2
7170 / 7170	DEF AT -----	DEF IN 2
7380 / 7380	DEF AT -----	DEF AT 2
7530 / 7530	DEF AT -----	POS AT 2
7560 / 7560	DEF AT -----	DEF AT 2
7710 / 7710	DEF AT local marker foram increase	DEF AT 2
7980 / 7980	DEF AT local marker foram increase	DEF AT 2
8010 / 8010	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
8370 / 8370	DEF AT -----	POS AT 2
8400 / 8400	DEF AT -----	DEF AT 2
8520 / 8520	DEF AT local marker foram increase	DEF AT 2
8550 / 8550	DEF AT -----	POS AT 2
8580 / 8580	DEF AT -----	DEF AT 2
8700 / 8700	DEF AT -----	POS AT 2
8730 / 8730	DEF AT -----	DEF AT 2
9210 / 9210	DEF AT Eggerella sp. (local marker)	DEF AT 2
9390 / 9390	DEF AT -----	DEF AT 2
9450 / 9450	DEF AT faunal change (no faunal increase)	DEF AT 3
9480 / 9480	DEF AT Eggerella sp. (local marker)	DEF AT 3
9540 / 9540	DEF AT local marker benthic foram increase	DEF AT 3
9600 / 9600	DEF AT -----	DEF IN 2
9750 / 9750	DEF AT local marker foram increase	DEF IN 2
9900 / 9900	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 2
10140 /10140	DEF AT local marker foram increase	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 19  
Lease Number: G03936  
Well Name: 001  
API Well Number: 427044033500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 28-FEB-2009

Date of Summary: 12-DEC-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 270 - 20173  
Ecozone Eq MMS: Y

First Sample Examined: 270  
Borehole MD: 20173  
Borehole TVD: 20146  
Rkb Elevation: 114  
Water Depth: 133  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10680	DEF AT faunal change (no faunal increase)	DEF IN 2
10740 /10740	DEF AT faunal change (no faunal increase)	DEF AT 3
11040 /11040	DEF AT -----	DEF IN 2
11160 /11160	DEF AT -----	DEF AT 3
11250 /11250	DEF AT -----	DEF AT 2
11310 /11310	DEF AT -----	DEF IN 2
11520 /11520	DEF AT -----	DEF AT 2
11700 /11700	DEF AT local marker foram increase	DEF IN 2
12510 /12510	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
12690 /12690	DEF AT -----	DEF AT 3
12810 /12810	DEF AT -----	DEF IN 2
13260 /13260	DEF AT -----	DEF AT 2
13320 /13320	DEF AT faunal change (no faunal increase)	DEF AT 2
13410 /13410	DEF AT faunal change (no faunal increase)	DEF AT 2
13470 /13470	DEF AT local marker foram increase	DEF AT 2
13560 /13560	DEF AT -----	DEF IN 2
13800 /13800	DEF AT faunal change (no faunal increase)	DEF IN 2
13830 /13830	DEF AT local marker foram increase	DEF IN 3
14040 /14040	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
14370 /14369	DEF AT -----	DEF AT 3
14700 /14699	DEF AT -----	DEF IN 2
14850 /14849	DEF AT local marker foram increase	DEF AT 3
14910 /14909	DEF AT -----	DEF IN 2
14970 /14969	DEF AT faunal change (no faunal increase)	DEF IN 2

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 19  
 Lease Number: G03936  
 Well Name: 001  
 API Well Number: 427044033500  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 28-FEB-2009

Date of Summary: 12-DEC-2001  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 270 - 20173  
 Ecozone Eq MMS: Y

First Sample Examined: 270  
 Borehole MD: 20173  
 Borehole TVD: 20146  
 Rkb Elevation: 114  
 Water Depth: 133  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14999	DEF AT -----	DEF AT 3
15120 /15119	DEF AT faunal change (no faunal increase)	DEF AT 3
15210 /15209	DEF AT faunal change (no faunal increase)	DEF AT 3
15360 /15359	DEF AT -----	DEF IN 2
15720 /15719	POS AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF IN 2
16020 /16018	DEF AT out-of-place section	DEF IN 2
16080 /16078	DEF AT local marker foram increase	DEF IN 2
16200 /16198	DEF AT faunal change (no faunal increase)	DEF IN 2
16320 /16318	DEF AT -----	DEF AT 2
16470 /16468	DEF AT -----	DEF IN 2
16560 /16557	DEF AT local marker foram increase	DEF IN 2
16590 /16587	DEF AT local marker foram increase	DEF IN 2
16650 /16647	DEF AT -----	DEF IN 3
16770 /16767	DEF AT -----	DEF AT 3
16800 /16797	DEF AT local marker foram increase	DEF AT 3
16920 /16916	DEF AT local marker foram increase	DEF AT 3
17010 /17006	DEF AT -----	DEF IN 2
17250 /17245	DEF AT -----	POS IN 2
17280 /17275	DEF AT faunal change (no faunal increase)	DEF AT 2
17340 /17335	DEF AT -----	POS AT 2
17370 /17365	DEF AT -----	DEF IN 2
17490 /17485	DEF AT local marker foram increase	DEF IN 2
17640 /17634	POS AT faunal change (no faunal increase)	DEF AT 3
17820 /17813	DEF AT faunal change (no faunal increase)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 19  
Lease Number: G03936  
Well Name: 001  
API Well Number: 427044033500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 28-FEB-2009

Date of Summary: 12-DEC-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 270 - 20173  
Ecozone Eq MMS: Y

First Sample Examined: 270  
Borehole MD: 20173  
Borehole TVD: 20146  
Rkb Elevation: 114  
Water Depth: 133  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17940 /17933	DEF AT faunal change (no faunal increase)	DEF AT 3
18000 /17993	DEF AT -----	DEF IN 2
18090 /18082	DEF AT -----	DEF AT 2
18120 /18112	DEF AT -----	DEF IN 2
18180 /18172	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
18690 /18679	DEF AT -----	DEF AT 2
18870 /18858	DEF AT -----	POS AT 2
18930 /18918	DEF AT -----	DEF AT 2
19050 /19037	DEF AT -----	DEF IN 2
19260 /19245	DEF AT local marker foram increase	DEF IN 2
19530 /19513	DEF AT -----	DEF AT 2
19650 /19631	DEF AT sand	DEF AT 2
20160 /20133	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 19	Date of Summary: 18-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Alex Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11998	DEF AT first sample examined	DEF AT 2
12001 /11999	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
12060 /12058	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
12390 /12388	DEF AT local marker foram increase	DEF AT 2
12630 /12628	DEF AT faunal change (no faunal increase)	DEF AT 2
12780 /12778	DEF AT - - - - -	DEF AT 3
12870 /12868	DEF AT - - - - -	DEF AT 2
13080 /13078	DEF AT local marker foram increase	DEF AT 2
13440 /13438	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
13680 /13677	DEF AT local marker foram increase	DEF AT 3
13860 /13857	DEF AT faunal change (no faunal increase)	DEF AT 3
13950 /13947	DEF AT local marker (general)	DEF AT 3
14190 /14187	DEF AT local marker (general)	DEF AT 3
14580 /14576	DEF AT - - - - -	DEF AT 2
15480 /15475	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 2
15720 /15715	DEF AT limestone	DEF AT 2
15780 /15775	DEF AT local marker foram increase	DEF AT 3
15810 /15805	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
15930 /15925	DEF AT - - - - -	DEF AT 2
16110 /16105	DEF AT local marker foram increase	DEF AT 2
17220 /17214	DEF AT local marker foram increase	DEF AT 2
17540 /17533	DEF AT sand	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 19	<b>Date of Summary:</b> 18-MAY-1998	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G03936	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18790
<b>Well Name:</b> JC001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18781
<b>API Well Number:</b> 427044031600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 12000 - 18790	<b>Water Depth:</b> 134
<b>Public Info Code:</b> Y 02-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18410 /18402	DEF AT -----	DEF AT 1
18710 /18701	DEF AT -----	DEF AT 2
18740 /18731	DEF AT local marker foram increase	DEF AT 3
18790 /18781	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 19	<b>Date of Summary:</b> 26-MAY-1998	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G03936	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18790
<b>Well Name:</b> JC001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18781
<b>API Well Number:</b> 427044031600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 12000 - 18790	<b>Water Depth:</b> 134
<b>Public Info Code:</b> Y 02-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Alex Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11998	DEF AT first sample examined	DEF AT
12120 /12118	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14520 /14516	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18790 /18781	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 19	<b>Date of Summary:</b> 27-MAY-1998	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G03936	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18790
<b>Well Name:</b> JC001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18781
<b>API Well Number:</b> 427044031600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 12000 - 18790	<b>Water Depth:</b> 134
<b>Public Info Code:</b> Y 02-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Alex Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11998	DEF AT first sample examined	DEF AT 2
12120 /12118	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
12390 /12388	DEF AT local marker (general)	DEF AT 2
12690 /12688	DEF AT local marker (general)	DEF AT 2
13080 /13078	DEF AT local marker foram increase	DEF AT 2
13440 /13438	DEF AT local marker foram increase	DEF AT 3
13680 /13677	DEF AT local marker (general)	DEF AT 3
13860 /13857	POS AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT 3
14100 /14097	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
14520 /14516	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 3
14640 /14636	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
15480 /15475	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
15780 /15775	POS AT local marker (general)	DEF AT 3
16110 /16105	POS AT local marker (general)	DEF AT 2
17340 /17334	DEF AT local marker (general)	DEF AT 2
18740 /18731	POS AT local marker (general)	DEF AT 2
18789 /18780	DEF AT Lower (Early) Miocene	DEF AT 2
18790 /18781	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 20	<b>Date of Summary:</b> 24-AUG-1994	<b>First Sample Examined:</b> 10030
<b>Lease Number:</b> G03472	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14893
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14887
<b>API Well Number:</b> 427044028100	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10030 - 14907	<b>Water Depth:</b> 127
<b>Public Info Code:</b> Y 31-OCT-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Picaroon Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10030 /10029	DEF AT first sample examined	DEF AT 2
10690 /10689	DEF AT local marker foram increase	DEF AT 2
11050 /11049	DEF AT local marker foram increase	DEF AT 2
11830 /11828	DEF AT local marker foram increase	DEF AT 2
11890 /11888	DEF AT local marker foram increase	DEF AT 2
11950 /11948	DEF AT local marker foram increase	DEF AT 2
12190 /12188	DEF AT - - - - -	DEF AT 3
12220 /12218	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
12430 /12428	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
12880 /12877	DEF AT local marker foram increase	DEF AT 2
13300 /13296	DEF AT local marker foram increase	DEF AT 2
14110 /14105	DEF AT local marker foram increase	DEF AT 2
14830 /14824	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
14860 /14854	DEF AT local marker foram increase	DEF AT 3
14907 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 21	<b>Date of Summary:</b> 08-JUL-1991	<b>First Sample Examined:</b> 3500
<b>Lease Number:</b> G08120	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9400
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9399
<b>API Well Number:</b> 427044024400	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 121
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3500 - 9410	<b>Water Depth:</b> 122
<b>Public Info Code:</b> Y 09-JUL-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT 2
3560 / 3560	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 2
4160 / 4160	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5180 / 5180	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
5480 / 5480	DEF AT - - - - -	DEF AT 3
5990 / 5990	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 3
7130 / 7129	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
7790 / 7789	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
7880 / 7879	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
9410 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 21	<b>Date of Summary:</b> 29-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08120	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12380
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10240
<b>API Well Number:</b> 427044030700	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 121
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 122
<b>Public Info Code:</b> Y 22-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8157 / 7558	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
8804 / 7966	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
10908 / 9296	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 21	<b>Date of Summary:</b> 19-JUL-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08120	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10685
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9600
<b>API Well Number:</b> 427044029400	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 121
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 122
<b>Public Info Code:</b> Y 22-JAN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6156 / 6154	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7803 / 7786	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 21	<b>Date of Summary:</b> 28-AUG-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08120	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11890
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9309
<b>API Well Number:</b> 427044030000	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 125
<b>Public Info Code:</b> Y 24-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6330 / 5778	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8553 / 7413	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 23	<b>Date of Summary:</b> 13-JUN-2011	<b>First Sample Examined:</b> 8500
<b>Lease Number:</b> G32731	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16859
<b>Well Name:</b> A009	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15947
<b>API Well Number:</b> 427044036800	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 137
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8500 - 16859	<b>Water Depth:</b> 137
<b>Public Info Code:</b> Y 19-FEB-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8255	DEF AT first sample examined	DEF IN 3
8560 / 8311	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
8830 / 8563	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
10990 /10538	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
11980 /11447	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 3
12160 /11612	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
15159 /14362	POS AT reworked material	DEF IN 3
15160 /14363	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 3
16809 /15900	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 3
16810 /15901	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 3
16859 /15947	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 24	Date of Summary: 01-APR-2007	First Sample Examined: 10000
Lease Number: G27483	Source of Paleo: OPERATOR	Borehole MD: 20750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20739
API Well Number: 427044036000	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 2	Sample Range: 10000 - 20750	Water Depth: 142
Public Info Code: Y 20-APR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, NCR & Associates, foram species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT first sample examined	DEF AT 3
10001 /10001	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
10240 /10240	DEF AT -----	DEF IN 3
10720 /10720	DEF AT -----	DEF AT 2
11110 /11110	DEF AT foram flood	DEF AT 2
12640 /12640	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
12790 /12790	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
12880 /12880	DEF AT -----	DEF AT 2
12970 /12970	DEF AT -----	DEF AT 3
13000 /13000	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 3
13720 /13720	DEF AT -----	DEF AT 2
14260 /14260	DEF AT -----	DEF AT 1
15070 /15070	DEF AT -----	DEF IN 2
15130 /15130	DEF AT -----	DEF AT 1
15610 /15609	DEF AT -----	DEF AT 3
15810 /15809	DEF AT -----	DEF IN 1
16569 /16568	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 1
16570 /16569	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 1
18415 /18412	DEF AT cement	DEF IN 1
19120 /19115	DEF AT -----	DEF AT 1
19240 /19235	DEF AT -----	POS IN 1
20750 /20739	DEF AT last sample examined	POS IN 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 24	<b>Date of Summary:</b> 30-APR-2007	<b>First Sample Examined:</b> 15760
<b>Lease Number:</b> G27483	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20750
<b>Well Name:</b> 001	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 20739
<b>API Well Number:</b> 427044036000	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15760 - 20750	<b>Water Depth:</b> 142
<b>Public Info Code:</b> Y 20-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15760 /15759	DEF AT first sample examined	DEF AT
15761 /15760	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15820 /15819	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
16840 /16839	DEF AT sample gap top	DEF AT
20410 /20400	DEF AT sample gap bottom	DEF AT
20750 /20739	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 39	Date of Summary: 01-MAR-2004	First Sample Examined: 5030
Lease Number: G04559	Source of Paleo: OPERATOR	Borehole MD: 18564
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18561
API Well Number: 427044034800	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 109
Paleo Report Num: 1 of 2	Sample Range: 5030 - 18565	Water Depth: 149
Public Info Code: Y 17-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5030 / 5030	DEF AT first sample examined	DEF AT 3
5031 / 5031	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
5430 / 5430	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
5850 / 5850	DEF AT - - - - -	DEF AT 2
5880 / 5880	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6450 / 6450	DEF AT - - - - -	DEF AT 3
7470 / 7470	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
8460 / 8460	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
8730 / 8730	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
9240 / 9240	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
10340 / 10340	DEF AT sample gap top	POS AT 3
10440 / 10440	DEF AT sample gap bottom	DEF AT 3
12450 / 12450	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
12570 / 12570	DEF AT - - - - -	DEF AT 4
13710 / 13710	DEF AT - - - - -	DEF AT 3
13890 / 13890	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
17430 / 17429	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
18450 / 18447	DEF AT - - - - -	DEF AT 2
18565 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 39	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G04559	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18564
<b>Well Name:</b> 005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18561
<b>API Well Number:</b> 427044034800	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12000 - 18565	<b>Water Depth:</b> 149
<b>Public Info Code:</b> Y 17-JUN-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /12000	DEF AT first sample examined	DEF AT
12600 /12600	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18565 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 39	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 18330
<b>Lease Number:</b> G04559	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20496
<b>Well Name:</b> 005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20488
<b>API Well Number:</b> 427044034801	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18330 - 20497	<b>Water Depth:</b> 149
<b>Public Info Code:</b> Y 17-JUN-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18330 /18327	DEF AT first sample examined	DEF AT 2
18331 /18328	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
20497 /	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 39	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 18330
<b>Lease Number:</b> G04559	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20496
<b>Well Name:</b> 005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20488
<b>API Well Number:</b> 427044034801	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18330 - 20497	<b>Water Depth:</b> 149
<b>Public Info Code:</b> Y 17-JUN-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18330 /18327	DEF AT first sample examined	DEF AT
20497 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 47	<b>Date of Summary:</b> 29-DEC-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03940	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9954
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7925
<b>API Well Number:</b> 427054014000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 140
<b>Public Info Code:</b> Y 30-MAR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8338 / 7097	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 104	<b>Date of Summary:</b> 05-FEB-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11297	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10300
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10300
<b>API Well Number:</b> 427054012000	<b>Drilling Operator:</b> HALL-HOUSTON OIL COMPANY	<b>Rkb Elevation:</b> 71
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 198
<b>Public Info Code:</b> Y 03-FEB-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9400 / 9399	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BA A 105	Date of Summary: 11-JUN-1992	First Sample Examined: 6510
Lease Number: G01757	Source of Paleo: OPERATOR	Borehole MD: 15500
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 14485
API Well Number: 427054012200	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 6510 - 15480	Water Depth: 192
Public Info Code: Y 21-NOV-2001	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6510 / 6509	DEF AT first sample examined	DEF AT 2
6511 / 6510	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6840 / 6839	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
7110 / 7109	DEF AT - - - - -	DEF AT 2
8250 / 8248	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 2
10920 /10909	DEF AT - - - - -	DEF AT 3
11280 /11269	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
12360 /12348	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
13080 /13068	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
13320 /13308	DEF AT - - - - -	DEF AT 1
14430 /14417	DEF AT - - - - -	DEF AT 2
14550 /14537	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
14670 /14657	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
14730 /14717	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
14760 /14747	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
14820 /14807	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 3
14880 /14867	DEF AT local marker benthic foram increase	DEF AT 4
14910 /14897	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 4
15210 /15197	DEF AT - - - - -	DEF AT 6
15330 /15316	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 6
15390 /15376	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
15450 /15436	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 105	<b>Date of Summary:</b> 11-JUN-1992	<b>First Sample Examined:</b> 6510
<b>Lease Number:</b> G01757	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15500
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14485
<b>API Well Number:</b> 427054012200	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6510 - 15480	<b>Water Depth:</b> 192
<b>Public Info Code:</b> Y 21-NOV-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15480 /15465	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> BA A 133	<b>Date of Summary:</b> 02-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02665	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13400
<b>Well Name:</b> D003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12829
<b>API Well Number:</b> 427054012700	<b>Drilling Operator:</b> OXY PETROLEUM INC	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 205
<b>Public Info Code:</b> Y 12-MAY-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8566 / 8283	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
11684 / 11178	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BM 2	Date of Summary: 29-AUG-1991	First Sample Examined: 6500
Lease Number: 00369	Source of Paleo: OPERATOR	Borehole MD: 8462
Well Name: 071	Paleo Done By: OPERATOR	Borehole TVD: 7929
API Well Number: 177144000700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 4100 - 8460	Water Depth: 46
Public Info Code: Y 21-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 6195	DEF AT first sample examined	DEF AT 2
6620 / 6303	DEF AT -----	DEF IN 1
6950 / 6600	DEF AT -----	DEF AT 2
7760 / 7329	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
8450 / 7920	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BS 41  
Lease Number: G21142  
Well Name: A001  
API Well Number: 177264003900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 18-JUL-2011

Date of Summary: 26-JUL-2001  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: LLOG EXPLORATION OFFSHORE LLC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 10035  
Borehole TVD: 9491  
Rkb Elevation: 99  
Water Depth: 34  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3845 / 3837	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
4880 / 4790	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5968 / 5777	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT
7305 / 7007	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8510 / 8104	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9060 / 8602	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BS 41	Date of Summary: 16-MAY-2003	First Sample Examined: 850
Lease Number: G21142	Source of Paleo: OPERATOR	Borehole MD: 15211
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13100
API Well Number: 177264004100	Drilling Operator: NCX COMPANY LLC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 850 - 15211	Water Depth: 34
Public Info Code: Y 06-JUN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
850 / 850	DEF AT first sample examined	DEF AT 2
2770 / 2663	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
3730 / 3459	DEF AT faunal change (no faunal increase)	DEF AT 1
4420 / 4031	DEF AT faunal change (no faunal increase)	DEF AT 2
4600 / 4184	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
7150 / 6265	DEF AT faunal change (no faunal increase)	DEF AT 3
7240 / 6338	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
7660 / 6678	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
10570 / 9078	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
11860 /10135	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11980 /10234	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
13059 /11131	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
13060 /11132	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13600 /11604	DEF AT local marker deep water fauna	DEF AT 5
13780 /11765	DEF AT Eggerella 3 (local marker)	DEF AT 5
13900 /11874	DEF AT Bathysiphon fauna	DEF AT 5
14680 /12596	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
14710 /12624	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14860 /12766	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 6
15211 /13100	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BS 41	Date of Summary: 01-DEC-2003	First Sample Examined: 4070
Lease Number: G21142	Source of Paleo: OPERATOR	Borehole MD: 14544
Well Name: B004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13406
API Well Number: 177264004300	Drilling Operator: NCX COMPANY LLC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 4070 - 14544	Water Depth: 34
Public Info Code: Y 19-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4070 / 4070	DEF AT first sample examined	DEF AT 2
4190 / 4190	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6980 / 6980	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
7040 / 7040	DEF AT - - - - -	DEF AT 3
7280 / 7278	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
10730 /10316	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
11150 /10643	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11210 /10691	DEF AT - - - - -	DEF AT 4
12140 /11437	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
12980 /12113	DEF AT - - - - -	DEF AT 5
14090 /13021	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14270 /13173	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 6
14544 /13406	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BS 41	Date of Summary: 03-MAR-2004	First Sample Examined: 4060
Lease Number: G21142	Source of Paleo: OPERATOR	Borehole MD: 14431
Well Name: B005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13691
API Well Number: 177264004600	Drilling Operator: NCX COMPANY LLC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 4060 - 14330	Water Depth: 35
Public Info Code: Y 17-MAR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4060 / 4058	DEF AT first sample examined	DEF AT 1
4150 / 4148	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
4990 / 4988	DEF AT -----	DEF AT 2
6140 / 6119	DEF AT -----	DEF AT 3
6470 / 6429	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
6620 / 6566	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
6890 / 6811	DEF AT -----	DEF AT 2
9510 / 9187	DEF AT -----	DEF AT 3
10050 / 9677	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
10470 /10057	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
10560 /10139	DEF AT -----	DEF AT 4
11640 /11126	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
12660 /12054	DEF AT -----	DEF AT 5
13530 /12849	DEF AT -----	DEF AT 6
13590 /12904	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14330 /13596	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BS 41  
 Lease Number: G21142  
 Well Name: B006  
 API Well Number: 177264004900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 22-MAY-2014

Date of Summary: 25-OCT-2005  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: GRYPHON EXPLORATION COMPANY  
 Sample Range: 11600 - 14652  
 Ecozone Eq MMS: Y

First Sample Examined: 11600  
 Borehole MD: 14652  
 Borehole TVD: 12750  
 Rkb Elevation: 129  
 Water Depth: 35  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11600 /10154	DEF AT first sample examined	DEF AT 3
11601 /10155	DEF IN Upper Miocene (Tortonian) <i>Uvigerina</i> 3	DEF AT 3
11720 /10261	DEF AT -----	DEF AT 4
12470 /10899	DEF AT -----	DEF AT 5
12920 /11279	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi robusta</i>	DEF AT 5
14120 /12308	DEF AT local marker benthic foram increase	DEF AT 5
14652 /12750	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BS 55	Date of Summary: 05-JUN-1996	First Sample Examined: 4060
Lease Number: G04492	Source of Paleo: OPERATOR	Borehole MD: 18289
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18165
API Well Number: 177264002900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4060 - 14200	Water Depth: 35
Public Info Code: Y 31-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4060 / 4060	DEF AT first sample examined	DEF AT 1
4120 / 4120	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
5650 / 5650	DEF AT - - - - -	DEF AT 2
6130 / 6130	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
6940 / 6940	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9280 / 9280	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9340 / 9340	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11710 /11706	DEF AT - - - - -	DEF AT 5
12430 /12426	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12520 /12516	DEF AT - - - - -	DEF AT 6
13210 /13199	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14140 /14061	DEF AT sample gap top	POS AT 6
14199 /14116	DEF AT sample gap bottom	DEF AT 6
14200 /14117	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: BS 55	Date of Summary: 05-JUN-1996	First Sample Examined: 10570
Lease Number: G04492	Source of Paleo: OPERATOR	Borehole MD: 18289
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18165
API Well Number: 177264002900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 10570 - 18280	Water Depth: 35
Public Info Code: Y 31-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Bypass 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10570 /10569	DEF AT first sample examined	DEF AT 4
11710 /11706	DEF AT - - - - -	DEF AT 5
12100 /12096	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12640 /12636	DEF AT - - - - -	DEF AT 6
12850 /12845	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14470 /14374	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
17320 /17206	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
17470 /17352	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
17529 /17410	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
17530 /17411	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
17590 /17470	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
17680 /17558	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
17710 /17588	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
17890 /17767	DEF AT foram flood	DEF AT 5
18010 /17886	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT 5
18040 /17916	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT 5
18280 /18156	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> CA 29	<b>Date of Summary:</b> 01-MAY-1988	<b>First Sample Examined:</b> 3015
<b>Lease Number:</b> G05740	<b>Source of Paleo:</b> PUBLICATION	<b>Borehole MD:</b> 5350
<b>Well Name:</b> A001	<b>Paleo Done By:</b> UNKNOWN	<b>Borehole TVD:</b> 5350
<b>API Well Number:</b> 177284001500	<b>Drilling Operator:</b> TENNECO OIL COMPANY	<b>Rkb Elevation:</b> 68
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3015 - 5350	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 19-DEC-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Source is Mink, R M et al, 1988, Regional geologic framework and petroleum geology of Miocene strata of Alabama coastal waters area and adjacent Federal waters area, Geological Survey of Alabama and State Oil and Gas Board Final Report, page 76

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3015 / 3015	DEF AT first sample examined	DEF AT
3180 / 3180	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4350 / 4350	POS AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT
4470 / 4470	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5350 / 5350	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> CA 29	<b>Date of Summary:</b> 13-OCT-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05740	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6929
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5152
<b>API Well Number:</b> 177284004900	<b>Drilling Operator:</b> ENTRE ENERGY CORPORATION	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 44
<b>Public Info Code:</b> Y 24-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4772 / 3771	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
5853 / 4443	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6474 / 4843	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: CA 29  
 Lease Number: G05740  
 Well Name: B002  
 API Well Number: 177284005000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 25-JUL-2004

Date of Summary: 13-OCT-1994  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: ENTRE ENERGY CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 7056  
 Borehole TVD: 5200  
 Rkb Elevation: 99  
 Water Depth: 43  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4874 / 3770	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
5783 / 4428	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6390 / 4813	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> CA 29	<b>Date of Summary:</b> 13-OCT-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05740	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6520
<b>Well Name:</b> B003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5211
<b>API Well Number:</b> 177284005101	<b>Drilling Operator:</b> ENTRE ENERGY CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 44
<b>Public Info Code:</b> Y 10-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4846 / 3752	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
5669 / 4414	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6067 / 4782	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: CA 29  
 Lease Number: G05740  
 Well Name: B004  
 API Well Number: 177284005201  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 16-JUL-2004

Date of Summary: 13-OCT-1994  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: ENTRE ENERGY CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 7012  
 Borehole TVD: 5250  
 Rkb Elevation: 99  
 Water Depth: 43  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4950 / 3767	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
5874 / 4423	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6504 / 4874	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: CA 29	Date of Summary: 13-OCT-1994	First Sample Examined: 0
Lease Number: G05740	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7410
Well Name: B005	Paleo Done By: OPERATOR	Borehole TVD: 5193
API Well Number: 177284005300	Drilling Operator: ENTRE ENERGY CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 44
Public Info Code: Y 20-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5190 / 3778	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
6264 / 4422	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6840 / 4808	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: CC 743	Date of Summary: 23-JAN-2007	First Sample Examined: 3520
Lease Number: G26577	Source of Paleo: OPERATOR	Borehole MD: 23301
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23292
API Well Number: 608014000400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 3520 - 23260	Water Depth: 1357
Public Info Code: Y 17-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram and nanno species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3520 / 3520	DEF AT first sample examined	DEF AT 4
3521 / 3521	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
3522 / 3522	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
3640 / 3640	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
3730 / 3730	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
3760 / 3760	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
3939 / 3939	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
3940 / 3940	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
4060 / 4059	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
4150 / 4149	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
4210 / 4209	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
4240 / 4239	DEF AT - - - - -	DEF AT 4
4570 / 4569	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
4600 / 4599	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
4960 / 4959	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
5590 / 5589	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
5770 / 5769	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
5860 / 5859	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
6010 / 6009	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
6310 / 6309	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
6490 / 6489	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
6550 / 6549	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> CC 743	<b>Date of Summary:</b> 23-JAN-2007	<b>First Sample Examined:</b> 3520
<b>Lease Number:</b> G26577	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23301
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23292
<b>API Well Number:</b> 608014000400	<b>Drilling Operator:</b> PETROBRAS AMERICA INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3520 - 23260	<b>Water Depth:</b> 1357
<b>Public Info Code:</b> Y 17-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7240 / 7239	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
7360 / 7359	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
7480 / 7479	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
7660 / 7659	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
7720 / 7719	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 4
7959 / 7958	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
7960 / 7959	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
9060 / 9059	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
9320 / 9318	DEF AT - - - - -	DEF AT 5
9699 / 9697	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
9700 / 9698	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
9730 / 9728	DEF AT - - - - -	DEF AT 5
10100 /10098	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
10280 /10278	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10400 /10398	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
10420 /10418	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
10440 /10438	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
11100 /11098	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
11140 /11138	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
11240 /11238	DEF AT - - - - -	DEF AT 5
11599 /11597	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
11600 /11598	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
11740 /11738	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
11760 /11758	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: CC 743  
Lease Number: G26577  
Well Name: 001  
API Well Number: 608014000400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 17-OCT-2008

Date of Summary: 23-JAN-2007  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: PETROBRAS AMERICA INC  
Sample Range: 3520 - 23260  
Ecozone Eq MMS: Y

First Sample Examined: 3520  
Borehole MD: 23301  
Borehole TVD: 23292  
Rkb Elevation: 84  
Water Depth: 1357  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11940 /11938	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
12919 /12917	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
12920 /12918	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
13000 /12998	DEF AT - - - - -	DEF AT 5
13360 /13358	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
14280 /14277	DEF AT out-of-place section	DEF AT 5
14720 /14716	POS AT Lower Miocene (Aquitanean) Sphenolithus dissimilis	DEF AT 5
14820 /14816	DEF AT - - - - -	DEF IN 5
14999 /14995	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF IN 5
15000 /14996	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF IN 5
15039 /15035	POS AT out-of-place section	DEF IN 5
15040 /15036	POS AT reworked material	DEF IN 5
15440 /15435	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
15580 /15575	DEF AT - - - - -	DEF AT 5
15760 /15754	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 5
15980 /15974	POS AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 5
16020 /16014	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
16060 /16054	DEF AT - - - - -	DEF AT 4
17760 /17753	DEF AT - - - - -	DEF AT 5
17880 /17873	DEF AT - - - - -	DEF AT 4
19980 /19971	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
20620 /20611	DEF AT - - - - -	DEF AT 5
21000 /20991	DEF AT - - - - -	DEF AT 4
21360 /21351	DEF AT - - - - -	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> CC 743	<b>Date of Summary:</b> 23-JAN-2007	<b>First Sample Examined:</b> 3520
<b>Lease Number:</b> G26577	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23301
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23292
<b>API Well Number:</b> 608014000400	<b>Drilling Operator:</b> PETROBRAS AMERICA INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3520 - 23260	<b>Water Depth:</b> 1357
<b>Public Info Code:</b> Y 17-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23180 /23171	DEF AT -----	DEF AT 4
23260 /23251	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 133	Date of Summary: 10-MAY-1993	First Sample Examined: 0
Lease Number: G10444	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12564
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12564
API Well Number: 608234000100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 6530
Public Info Code: Y 07-APR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8830 / 8830	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10320 /10320	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11610 /11610	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11790 /11790	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
11820 /11820	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12090 /12090	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 177	Date of Summary: 01-JUN-1997	First Sample Examined: 11000
Lease Number: G10445	Source of Paleo: OPERATOR	Borehole MD: 14006
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13752
API Well Number: 608234000300	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 11000 - 14000	Water Depth: 6740
Public Info Code: Y 26-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, overall foram sample quality is relatively poor, paleoenvironments also poorly controlled, but generally indicate upper slope, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10944	DEF AT first sample examined	DEF AT 3
11060 /11000	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
11120 /11055	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 4
11270 /11193	DEF AT -----	DEF AT 4
11300 /11220	DEF AT Upper Miocene (Tortonian) Discoaster bellus	POS AT 4
11360 /11276	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	POS AT 4
11540 /11441	DEF AT -----	DEF AT 3
11570 /11469	DEF AT -----	DEF AT 4
11660 /11551	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
11720 /11606	DEF AT -----	POS AT 4
11960 /11826	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS AT 4
12050 /11909	DEF AT -----	DEF AT 4
12140 /11991	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
12260 /12102	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
12320 /12158	DEF AT -----	DEF AT 5
12350 /12186	DEF AT -----	DEF AT 4
12830 /12635	DEF AT -----	POS AT 4
12920 /12720	DEF IN Upper Miocene (Tortonian) Discoaster exilis	POS AT 4
12950 /12748	DEF AT -----	DEF AT 3
13010 /12805	DEF AT -----	DEF AT 5
13040 /12833	DEF AT -----	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 177	Date of Summary: 01-JUN-1997	First Sample Examined: 11000
Lease Number: G10445	Source of Paleo: OPERATOR	Borehole MD: 14006
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13752
API Well Number: 608234000300	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 11000 - 14000	Water Depth: 6740
Public Info Code: Y 26-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13100 /12890	DEF AT -----	DEF AT 4
13190 /12975	DEF AT -----	POS AT 5
13220 /13004	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	POS AT 5
13340 /13118	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
13400 /13175	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 3
13460 /13232	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 3
13550 /13318	DEF AT -----	POS AT 3
13580 /13346	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 3
13670 /13432	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
13700 /13460	DEF AT -----	POS AT 3
13850 /13603	DEF AT Middle Miocene (Serravallian) Discoaster musicus	POS AT 3
13970 /13718	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 3
14000 /13746	DEF AT last sample examined	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 178	Date of Summary: 22-AUG-2014	First Sample Examined: 18990
Lease Number: G25850	Source of Paleo: OPERATOR	Borehole MD: 24519
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24423
API Well Number: 608234002700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U:	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 10390 - 24490	Water Depth: 6560
Public Info Code: Y 20-JUL-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Palynologic report done by Don Benson (irf group), based on freshwater algal remains periodic freshwater environments are suggested in the Kimmeridgian to Ryazanian (Berriasian) sediments from 21265 to 21950, age is indeterminate from 23640 to TD

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18990 /18985	DEF AT first sample examined	DEF AT
18991 /18986	DEF IN Lower Cretaceous Aptian Stage	DEF AT
18992 /18987	POS IN Lower Cretaceous Barremian Stage	DEF AT
19350 /19345	DEF IN Lower Cretaceous Barremian Stage	DEF AT
19560 /19555	DEF IN Lower Cretaceous Hauterivian Stage	DEF AT
20070 /20064	DEF IN Lower Cretaceous Valanginian Stage	DEF AT
20700 /20693	DEF IN Lower Cretaceous Berriasian Stage	DEF AT
21220 /21213	DEF AT Upper Jurassic Kimmeridgian Stage	DEF AT
22760 /22735	DEF IN Upper Jurassic Kimmeridgian Stage	DEF AT
23640 /23581	DEF AT local marker (general)	DEF AT
24490 /24395	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 178	Date of Summary: 02-SEP-2014	First Sample Examined: 10390
Lease Number: G25850	Source of Paleo: OPERATOR	Borehole MD: 24519
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24423
API Well Number: 608234002700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U:	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 10390 - 24519	Water Depth: 6560
Public Info Code: Y 20-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 17010=Early Albian Coskinoloides texanus LAD, 17340=Early Albian Hedbergella gorbachikae, 17490=Early Albian ostracode Schuleridea punctatula, 17520=Early Albian ostracode Barkerina barkerensis, 19140=Barremian Gavelinella barremiana, 19350=Barremian palynomorph species, 20370=Hauterivian Rhagodiscus dekaenelii, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10390 /10390	DEF AT first sample examined	DEF IN 5
10391 /10391	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
10740 /10740	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
10829 /10829	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF IN 5
10830 /10830	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF IN 5
10950 /10950	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
11040 /11040	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
11310 /11310	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
11339 /11339	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5
11340 /11340	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
11429 /11429	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF IN 5
11430 /11430	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11640 /11640	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
11790 /11790	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
11880 /11880	POS AT Upper Miocene (Tortonian) Catinaster calyculus	DEF IN 5
12090 /12090	DEF AT out-of-place section	DEF IN 5
12120 /12120	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
12238 /12238	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 5
12239 /12239	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 178	<b>Date of Summary:</b> 02-SEP-2014	<b>First Sample Examined:</b> 10390
<b>Lease Number:</b> G25850	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24519
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24423
<b>API Well Number:</b> 608234002700	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10390 - 24519	<b>Water Depth:</b> 6560
<b>Public Info Code:</b> Y 20-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12240 /12240	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
12270 /12270	POS AT out-of-place section	DEF IN 5
12569 /12569	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
12570 /12570	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
12870 /12870	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
13289 /13289	DEF AT condensed section	DEF IN 5
13290 /13290	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
14250 /14250	POS AT local marker floral increase	DEF IN 5
14818 /14818	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
14819 /14819	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
14820 /14820	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
15030 /15030	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
15060 /15060	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
15150 /15150	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
15569 /15568	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF IN 5
15570 /15569	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 5
15598 /15597	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 5
15599 /15598	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 5
15600 /15599	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
15630 /15629	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 5
15660 /15659	POS AT Middle Eocene (Bartonian) Ceratobulimina eximia	DEF IN 5
15690 /15689	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 5
15720 /15719	POS AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF IN 5
15750 /15749	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 178	Date of Summary: 02-SEP-2014	First Sample Examined: 10390
Lease Number: G25850	Source of Paleo: OPERATOR	Borehole MD: 24519
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24423
API Well Number: 608234002700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 10390 - 24519	Water Depth: 6560
Public Info Code: Y 20-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15810 /15809	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF IN 5
15839 /15838	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 5
15840 /15839	POS AT Lower Eocene (Ypresian) Acarinina angulosa	DEF IN 5
15900 /15899	POS AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 5
15928 /15927	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF IN 5
15929 /15928	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF IN 5
15930 /15929	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF IN 5
15960 /15959	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 5
16047 /16046	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF IN 5
16048 /16047	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF IN 5
16049 /16048	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF IN 5
16050 /16049	POS AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF IN 5
16196 /16195	DEF AT Upper Cretaceous (Turonian) Parhabdolithus asper	DEF AT 4
16197 /16196	DEF AT Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF AT 4
16198 /16197	DEF AT Upper Cretaceous (Cenomanian) Rotalipora greenhornensis	DEF AT 4
16199 /16198	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 4
16200 /16199	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 4
16590 /16588	DEF AT Lower Cretaceous (Albian) Planomalina buxtorfi	DEF AT 4
16740 /16738	DEF AT - - - - -	DEF AT 3
16860 /16858	POS AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 3
17010 /17008	POS AT local marker foram increase	DEF AT 3
17130 /17128	DEF AT - - - - -	DEF AT 2
17280 /17277	DEF AT - - - - -	DEF AT 3
17340 /17337	POS AT local marker planktic foram increase	DEF AT 3

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 178	<b>Date of Summary:</b> 02-SEP-2014	<b>First Sample Examined:</b> 10390
<b>Lease Number:</b> G25850	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24519
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24423
<b>API Well Number:</b> 608234002700	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10390 - 24519	<b>Water Depth:</b> 6560
<b>Public Info Code:</b> Y 20-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17490 /17487	POS AT Lower Cretaceous (Albian) Rehacythereis? aff. R. glabrella (ostracod)	DEF AT 3
17520 /17517	POS IN Lower Cretaceous (Albian) Rehacythereis? aff. R. glabrella (ostracod)	DEF AT 3
17700 /17697	DEF AT -----	DEF AT 2
17938 /17935	DEF AT -----	DEF AT 3
18150 /18146	POS AT local marker planktic foram increase	DEF AT 3
18390 /18386	POS IN Lower Cretaceous (Aptian) Hedbergella sigali	DEF AT 3
18480 /18476	DEF AT -----	DEF AT 2
18840 /18836	DEF AT Lower Cretaceous (Aptian) Globuligerina hoteriva	DEF AT 3
19140 /19135	POS AT Lower Cretaceous (Barremian) Clavhedbergella eocretacea	DEF AT 3
19350 /19345	DEF AT local marker (general)	DEF AT 3
19590 /19585	POS AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT 3
19620 /19615	DEF AT -----	DEF AT 2
20370 /20364	POS AT Lower Cretaceous (Hauterivian) Speetonia colligata	DEF AT 2
20790 /20783	DEF AT local marker benthic foram increase	DEF AT 3
20820 /20813	POS AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF AT 2
21120 /21113	DEF AT -----	DEF AT 2
21400 /21393	DEF AT Upper Jurassic (Tithonian) Buccricrenata italica (increase)	DEF AT 2
21460 /21453	POS AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT 2
21670 /21662	POS IN Upper Jurassic (Tithonian) Epistomina uhligi	DEF AT 2
21760 /21752	DEF AT Jurassic Bossier Formation	DEF AT 2
21940 /21932	DEF AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii bigotii	DEF AT 2
22879 /22850	POS AT Jurassic Smackover Formation	DEF AT 3
22880 /22851	DEF AT Upper Jurassic (Oxfordian) Globuligerina oxfordiana	DEF AT 3
22940 /22908	DEF AT -----	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> DC 178	<b>Date of Summary:</b> 02-SEP-2014	<b>First Sample Examined:</b> 10390
<b>Lease Number:</b> G25850	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24519
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24423
<b>API Well Number:</b> 608234002700	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10390 - 24519	<b>Water Depth:</b> 6560
<b>Public Info Code:</b> Y 20-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23760 /23695	DEF AT Jurassic Norphlet Formation	DEF AT 1
24519 /24423	DEF AT last sample examined	DEF AT 1

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 178	<b>Date of Summary:</b> 06-FEB-2015	<b>First Sample Examined:</b> 19420
<b>Lease Number:</b> G25850	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25336
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24348
<b>API Well Number:</b> 608234002702	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U:	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19420 - 25335	<b>Water Depth:</b> 6560
<b>Public Info Code:</b> Y 20-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram, nanno and palynomorph report, 19540=Early Cretaceous Hauterivian palynomorph Druggidium spp, 20950=possible Early Cretaceous Hauterivian Eiffelithus windii, 21400=Early Cretaceous Berriasian Calcicalathina oblongata FAD, 21610=Late Jurassic Tithonian Nannoconus steinmanii FAD, 22180=Late Jurassic Tithonian Polycostella beckmanii acme, 22480=rare Late Jurassic Tithonian palynomorph Scriniodinium sp, 22510=Late Jurassic Tithonian Conusphaera mexicana FAD, 22600=Early Kimmeridgian Acanthaulax spp, 22960=possible Oxfordian palynomorph Atopodinium prostaticum, 23560=rare Late Jurassic Late Jurassic Oxfordian palynomorph Ctenidodinium schizoblatum, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19420 /19415	DEF AT first sample examined	DEF AT 2
19421 /19416	DEF IN Lower Cretaceous (Barremian) Clavhedbergella eocretacea	DEF AT 2
19540 /19534	POS IN Lower Cretaceous Hauterivian Stage	DEF AT 3
19870 /19861	DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT 2
20470 /20430	DEF AT - - - - -	DEF AT 1
20830 /20737	DEF AT - - - - -	DEF AT 2
20859 /20760	DEF AT Lower Cretaceous (Barremian) Lithraphidites bollii	DEF AT 2
20860 /20761	POS AT Lower Cretaceous (Valanginian) Diadorphombus rectus	DEF AT 2
20889 /20783	DEF AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF AT 2
20890 /20784	POS AT Lower Cretaceous (Valanginian) Everticyclammina virginulina	DEF AT 2
20950 /20830	POS AT Lower Cretaceous (Valanginian) Tubodiscus verenae	DEF AT 3
20979 /20852	DEF AT local marker benthic foram increase	DEF AT 3
20980 /20853	DEF AT Lower Cretaceous (Valanginian) Lenticulina saxonica	DEF AT 3
21040 /20898	POS AT Lower Cretaceous (Valanginian) Micrantholithus speetonensis	DEF AT 3
21250 /21051	DEF AT - - - - -	DEF AT 2
21400 /21157	DEF IN Lower Cretaceous (Valanginian) Rucinolithus wisei	DEF AT 2
21490 /21221	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 178	<b>Date of Summary:</b> 06-FEB-2015	<b>First Sample Examined:</b> 19420
<b>Lease Number:</b> G25850	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25336
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24348
<b>API Well Number:</b> 608234002702	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19420 - 25335	<b>Water Depth:</b> 6560
<b>Public Info Code:</b> Y 20-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21550 /21263	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT 2
21610 /21306	DEF AT local marker floral increase	DEF AT 2
21910 /21518	DEF AT Upper Jurassic (Tithonian) Watznaueria britannica (increase)	DEF AT 2
22150 /21688	POS AT Upper Jurassic (Tithonian) Epistomina uhligi	DEF AT 2
22180 /21710	DEF AT floral flood	DEF AT 2
22240 /21752	POS AT Upper Jurassic (Kimmeridgian) Epistomina mosquensis	DEF AT 2
22270 /21773	POS AT Upper Jurassic Reinholdella "A" (increase)	DEF AT 2
22480 /21923	POS AT local marker (general)	DEF AT 2
22960 /22295	POS AT local marker (general)	DEF AT 2
23020 /22345	POS AT Upper Jurassic (Oxfordian) Lotharingius crucicentralis	DEF AT 2
23290 /22576	DEF AT - - - - -	DEF AT 1
23560 /22810	POS AT Jurassic Haynesville Formation	DEF AT 1
23680 /22913	DEF AT Upper Jurassic (Oxfordian) Globuligerina oxfordiana	DEF AT 2
24370 /23511	DEF AT - - - - -	DEF AT 1
25170 /24204	DEF AT Jurassic Norphlet Formation	DEF AT 1
25335 /24347	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 180	Date of Summary: 01-SEP-2003	First Sample Examined: 9530
Lease Number: G23493	Source of Paleo: OPERATOR	Borehole MD: 14760
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14759
API Well Number: 608234000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9530 - 14762	Water Depth: 6953
Public Info Code: Y 19-JUN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tuscany Prospect

MD / TVD	Paleo Top Description	Ecozone
9530 / 9530	DEF AT first sample examined	POS AT 5
9620 / 9620	POS IN Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	POS AT 5
9710 / 9710	POS IN Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / nepenthes "B"	POS AT 5
9800 / 9800	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	POS AT 5
9980 / 9980	DEF AT pyrite	POS AT 5
10610 /10610	DEF AT pyrite	POS AT 5
11340 /11340	DEF AT Upper Miocene (Tortonian) <i>Uvigerina carapitana</i>	POS AT 5
11369 /11369	DEF AT reworked material	POS AT 5
11370 /11370	POS AT Upper Miocene (Tortonian) <i>Uvigerina</i> 3	POS AT 5
11489 /11489	DEF AT reworked material	POS AT 5
11490 /11490	POS AT Upper Miocene (Tortonian) <i>Cibicides carstensi</i>	POS AT 5
11550 /11550	POS IN Upper Miocene (Tortonian) <i>Cyclammina</i> 3	POS AT 5
11580 /11580	DEF AT local marker foram increase	POS AT 5
11640 /11640	DEF AT Upper Miocene (Tortonian) <i>Bigenerina floridana</i> / "A"	POS AT 5
11880 /11880	DEF AT Upper Miocene (Tortonian) <i>Cibicides crebbi</i>	POS AT 5
11939 /11938	DEF AT limestone	POS AT 5
11940 /11939	DEF AT Upper Miocene (Tortonian) <i>Cibicides carstensi</i>	POS AT 5
12060 /12059	DEF AT pyrite	POS AT 5
12360 /12359	DEF AT -----	POS AT 4
12390 /12389	DEF AT Upper Miocene (Tortonian) <i>Haplophragmoides wilsoni</i> (local acme)	POS AT 4
12510 /12509	DEF AT pyrite	POS AT 4
12720 /12719	DEF AT pyrite	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 180  
Lease Number: G23493  
Well Name: 001  
API Well Number: 608234000700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 19-JUN-2013

Date of Summary: 01-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 9530 - 14762  
Ecozone Eq MMS: Y

First Sample Examined: 9530  
Borehole MD: 14760  
Borehole TVD: 14759  
Rkb Elevation: 79  
Water Depth: 6953  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /12899	DEF AT - - - - -	DEF AT 0
12930 /12929	DEF AT pyrite	DEF AT
13050 /13049	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
13170 /13169	DEF AT - - - - -	POS AT 4
13259 /13258	DEF AT pyrite	POS AT 4
13260 /13259	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	POS AT 4
13320 /13319	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	POS AT 4
13360 /13359	DEF AT - - - - -	DEF AT 0
13585 /13584	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
13630 /13629	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13840 /13839	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
14080 /14079	POS AT local marker planktic foram increase	DEF AT 5
14200 /14199	DEF AT sample gap top	DEF AT 5
14240 /14239	DEF AT sample gap bottom	DEF AT 5
14300 /14299	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14360 /14359	DEF IN Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 5
14470 /14469	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14550 /14549	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
14580 /14579	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 6
14610 /14609	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	POS AT 6
14640 /14639	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	POS AT 6
14670 /14669	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 6
14699 /14698	DEF AT foram flood	DEF IN 6
14700 /14699	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 180	<b>Date of Summary:</b> 01-SEP-2003	<b>First Sample Examined:</b> 9530
<b>Lease Number:</b> G23493	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14760
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 14759
<b>API Well Number:</b> 608234000700	<b>Drilling Operator:</b> DEVON LOUISIANA CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9530 - 14762	<b>Water Depth:</b> 6953
<b>Public Info Code:</b> Y 19-JUN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14720 /14719	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
14762 /	DEF AT last sample examined	DEF IN 6



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 180	Date of Summary: 01-SEP-2003	First Sample Examined: 9530
Lease Number: G23493	Source of Paleo: OPERATOR	Borehole MD: 14760
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14759
API Well Number: 608234000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9530 - 14762	Water Depth: 6953
Public Info Code: Y 19-JUN-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Tuscany Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9530 / 9530	DEF AT first sample examined	DEF AT
9531 / 9531	DEF IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9620 / 9620	DEF AT local marker floral increase	DEF AT
9800 / 9800	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11310 /11310	DEF AT reworked material	DEF AT
11550 /11550	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
11640 /11640	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11790 /11790	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
11849 /11849	DEF AT reworked material	DEF AT
11850 /11850	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
11880 /11880	DEF AT reworked material	DEF AT
11940 /11939	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12030 /12029	POS AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
12390 /12389	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12510 /12509	POS AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
12660 /12659	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
12900 /12899	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
13260 /13259	DEF AT reworked material	DEF AT
13585 /13584	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
13630 /13629	DEF AT local marker floral increase	DEF AT
13780 /13779	DEF AT local marker floral increase	DEF AT
13960 /13959	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 180  
 Lease Number: G23493  
 Well Name: 001  
 API Well Number: 608234000700  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 19-JUN-2013

Date of Summary: 01-SEP-2003  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: DEVON LOUISIANA CORPORATION  
 Sample Range: 9530 - 14762  
 Ecozone Eq MMS:

First Sample Examined: 9530  
 Borehole MD: 14760  
 Borehole TVD: 14759  
 Rkb Elevation: 79  
 Water Depth: 6953  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14390 /14389	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
14550 /14549	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
14551 /14550	DEF AT condensed section	DEF AT
14580 /14579	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
14610 /14609	DEF AT Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF AT
14640 /14639	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
14670 /14669	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
14700 /14699	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
14720 /14719	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
14750 /14749	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 231	Date of Summary: 02-FEB-2015	First Sample Examined: 7967
Lease Number: G33780	Source of Paleo: OPERATOR	Borehole MD: 23085
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22918
API Well Number: 608234002600	Drilling Operator: STATOIL GULF PROPERTIES INC	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 7967 - 23080	Water Depth: 4495
Public Info Code: Y 25-AUG-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Perseus Prospect, paleo done by Statoil & Varol Research, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7967 / 7967	DEF AT first sample examined	DEF AT
10040 /10040	DEF AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT
11899 /11899	DEF AT Lower Cretaceous (Aptian) Nannoconus kamptneri	DEF AT
11900 /11900	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
15110 /15110	DEF AT Lower Cretaceous (Valanginian) Tubodiscus verenae	DEF AT
15350 /15350	DEF AT Lower Cretaceous (Valanginian) Rucinolithus wisei	DEF AT
15500 /15500	DEF AT Lower Cretaceous (Valanginian) Diadorphombus rectus	DEF AT
15860 /15860	DEF AT local marker floral increase	DEF AT
16340 /16340	DEF AT Lower Cretaceous (Valanginian) Rucinolithus wisei	DEF AT
16460 /16460	DEF AT local marker floral increase	DEF AT
16820 /16820	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
16850 /16850	DEF AT Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT
16880 /16880	DEF AT local marker floral increase	DEF AT
16940 /16940	DEF AT local marker floral increase	DEF AT
17060 /17060	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
22130 /22022	DEF AT Upper Jurassic (Oxfordian) Lotharingius crucicentralis	DEF AT
23080 /22913	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 231	Date of Summary: 12-FEB-2015	First Sample Examined: 7967
Lease Number: G33780	Source of Paleo: OPERATOR	Borehole MD: 23085
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22918
API Well Number: 608234002600	Drilling Operator: STATOIL GULF PROPERTIES INC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 7967 - 23085	Water Depth: 4495
Public Info Code: Y 25-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Perseus Prospect, paleo done by Statoil & Ellington & Assoc, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7977 / 7977	DEF AT first sample examined	DEF AT 0
7978 / 7978	DEF AT Lower Cretaceous (Albian) Cythereis fredericksburgensis (ostracod)	DEF AT 0
7979 / 7979	DEF AT Lower Cretaceous (Albian) Cytheridea goodlandensis (ostracod)	DEF AT 0
7980 / 7980	DEF AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT 0
8000 / 8000	DEF AT -----	DEF AT 1
9710 / 9710	DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod)	DEF AT 0
10340 /10340	DEF AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT 0
12500 /12500	DEF AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT 0
15290 /15290	DEF AT Lower Cretaceous (Valanginian) Lenticulina saxonica	DEF AT 0
15440 /15440	DEF AT Lower Cretaceous (Valanginian) Everticyclammina virginulina	DEF AT 1
15770 /15770	DEF AT -----	DEF AT 1
15830 /15830	DEF AT Lower Cretaceous (Valanginian) Schuleridea acuminata (ostracod)	DEF AT 1
17180 /17180	DEF AT Lower Cretaceous (Berriasian) Pentaschuleridea pentagonalis (ostracod)	DEF AT 1
18240 /18240	DEF AT -----	DEF AT 0
18420 /18420	DEF AT Upper Jurassic (Tithonian) Epistomina uhligi	DEF AT 0
18740 /18740	DEF AT -----	DEF AT 1
18960 /18960	DEF AT -----	DEF AT 0
19199 /19199	DEF AT Jurassic Smackover Formation	DEF AT 0
19200 /19200	DEF AT oolites	DEF AT 0
21090 /21044	DEF AT -----	DEF AT 1
21959 /21862	DEF AT anhydrite	DEF AT 1
21960 /21862	DEF AT dolomite	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 231  
 Lease Number: G33780  
 Well Name: 001  
 API Well Number: 608234002600  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 25-AUG-2016

Date of Summary: 12-FEB-2015  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: STATOIL GULF PROPERTIES INC  
 Sample Range: 7967 - 23085  
 Ecozone Eq MMS: Y

First Sample Examined: 7967  
 Borehole MD: 23085  
 Borehole TVD: 22918  
 Rkb Elevation: 106  
 Water Depth: 4495  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22050 /21947	DEF AT -----	DEF AT 0
22690 /22547	DEF AT -----	DEF AT 0
22749 /22602	DEF AT Jurassic Norphlet Formation	DEF AT 0
22750 /22603	DEF AT sand	DEF AT 0
23085 /22918	DEF AT last sample examined	DEF AT 0

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268	Date of Summary: 14-JUL-2009	First Sample Examined: 11180
Lease Number: G23501	Source of Paleo: OPERATOR	Borehole MD: 17999
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17999
API Well Number: 608234001700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 11180 - 17986	Water Depth: 7400
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Antietam Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11180 /11180	DEF AT first sample examined	DEF AT 5
11181 /11181	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
11182 /11182	DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
11330 /11330	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11540 /11540	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 5
12230 /12230	DEF AT Arenaceous fauna (local marker)	DEF AT 5
12620 /12620	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12770 /12770	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
13460 /13460	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
13579 /13579	DEF AT turbid water facies	POS AT 5
13580 /13580	DEF AT Bathysiphon fauna	POS AT 5
13639 /13639	DEF AT turbid water facies	POS AT 5
13640 /13640	DEF AT Bathysiphon fauna	POS AT 5
13760 /13760	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
13850 /13850	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13879 /13879	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
13880 /13880	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
13909 /13909	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
13910 /13910	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
13939 /13939	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
13940 /13940	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
14030 /14030	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268	Date of Summary: 14-JUL-2009	First Sample Examined: 11180
Lease Number: G23501	Source of Paleo: OPERATOR	Borehole MD: 17999
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17999
API Well Number: 608234001700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 11180 - 17986	Water Depth: 7400
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14090 /14090	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
14119 /14119	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
14120 /14120	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 5
14150 /14150	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
14178 /14178	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
14179 /14179	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
14180 /14180	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
14268 /14268	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
14269 /14269	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 5
14270 /14270	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
14390 /14390	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
14507 /14507	DEF AT radiolarians	DEF AT 5
14508 /14508	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 5
14509 /14509	DEF AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 5
14510 /14510	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 5
14540 /14540	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
14569 /14569	DEF AT Bathysiphon fauna	DEF AT 5
14570 /14570	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
14597 /14597	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
14598 /14598	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 5
14599 /14599	DEF AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT 5
14600 /14600	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 5
14630 /14630	DEF AT Upper Paleocene (Thanetian) Planorotalites compressa	DEF AT 5
14657 /14657	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloidis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268	Date of Summary: 14-JUL-2009	First Sample Examined: 11180
Lease Number: G23501	Source of Paleo: OPERATOR	Borehole MD: 17999
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17999
API Well Number: 608234001700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 11180 - 17986	Water Depth: 7400
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14658 /14658	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 5
14659 /14659	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT 5
14660 /14660	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT 5
14749 /14749	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT 5
14750 /14750	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 5
14779 /14779	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 5
14780 /14780	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 5
14990 /14990	DEF AT radiolarians	DEF AT 5
15020 /15020	DEF AT Lower Cretaceous (Albian) Planomalina buxtoni	DEF AT 4
15129 /15129	DEF AT radiolarians	DEF AT 4
15200 /15200	DEF AT local marker ostracod (see remarks)	DEF AT 4
15290 /15290	POS AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 4
15470 /15470	DEF AT Lower Cretaceous (Albian) Rotalipora ticinensis	DEF AT 4
15530 /15530	DEF AT radiolarians	DEF AT 4
16040 /16040	DEF AT Lower Cretaceous (Albian) Coskinolinoides texanus	DEF AT 4
16130 /16130	DEF AT local marker foram increase	DEF AT 4
17090 /17090	DEF AT local marker planktic foram increase	DEF AT 4
17540 /17540	DEF AT pyrite	DEF AT 4
17570 /17570	POS AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT 4
17600 /17600	POS AT Lower Cretaceous (Aptian) Globuligerina hoteriva	DEF AT 4
17986 /17986	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268	Date of Summary: 14-JUL-2009	First Sample Examined: 11180
Lease Number: G23501	Source of Paleo: OPERATOR	Borehole MD: 17999
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17999
API Well Number: 608234001700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 11180 - 17986	Water Depth: 7400
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Antietam Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11180 /11180	DEF AT first sample examined	DEF AT
11181 /11181	DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT
11330 /11330	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
11540 /11540	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12620 /12620	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
12770 /12770	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
13460 /13460	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
13850 /13850	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
13879 /13879	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
13880 /13880	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT
13909 /13909	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
13910 /13910	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT
13938 /13938	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT
13939 /13939	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
13940 /13940	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT
13970 /13970	POS AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
14000 /14000	POS AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
14027 /14027	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
14028 /14028	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
14029 /14029	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
14030 /14030	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268	Date of Summary: 14-JUL-2009	First Sample Examined: 11180
Lease Number: G23501	Source of Paleo: OPERATOR	Borehole MD: 17999
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17999
API Well Number: 608234001700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 11180 - 17986	Water Depth: 7400
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14090 /14090	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT
14117 /14117	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT
14118 /14118	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT
14119 /14119	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
14120 /14120	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
14177 /14177	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT
14178 /14178	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT
14179 /14179	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
14180 /14180	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
14269 /14269	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
14270 /14270	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT
14300 /14300	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
14329 /14329	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT
14330 /14330	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT
14390 /14390	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT
14508 /14508	DEF AT radiolarians	DEF AT
14509 /14509	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT
14510 /14510	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT
14539 /14539	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT
14540 /14540	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT
14570 /14570	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
14597 /14597	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
14598 /14598	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
14599 /14599	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268	Date of Summary: 14-JUL-2009	First Sample Examined: 11180
Lease Number: G23501	Source of Paleo: OPERATOR	Borehole MD: 17999
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17999
API Well Number: 608234001700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 11180 - 17986	Water Depth: 7400
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14600 /14600	DEF AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT
14630 /14630	DEF AT Upper Paleocene (Thanetian) Planorotalites compressa	DEF AT
14656 /14656	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
14657 /14657	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
14658 /14658	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT
14659 /14659	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT
14660 /14660	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT
14720 /14720	DEF AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
14749 /14749	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT
14750 /14750	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT
14778 /14778	DEF AT Upper Cretaceous (Turonian) Parhabdolithus asper	DEF AT
14779 /14779	DEF AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT
14780 /14780	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT
14960 /14960	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT
15020 /15020	DEF AT Lower Cretaceous (Albian) Planomalina buxtoni	DEF AT
15290 /15290	DEF AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT
16040 /16040	POS AT Lower Cretaceous (Albian) Coskinolinoides texanus	DEF AT
17030 /17030	DEF AT Lower Cretaceous (Aptian) Nannoconus truitti (acme)	DEF AT
17090 /17090	DEF AT local marker planktic foram increase	DEF AT
17510 /17510	POS AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT
17539 /17539	DEF AT Lower Cretaceous (Aptian) Micrantholithus obtusus	DEF AT
17540 /17540	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
17570 /17570	POS AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT
17600 /17600	POS AT Lower Cretaceous (Aptian) Globuligerina hoteriva	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 268	<b>Date of Summary:</b> 14-JUL-2009	<b>First Sample Examined:</b> 11180
<b>Lease Number:</b> G23501	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17999
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17999
<b>API Well Number:</b> 608234001700	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11180 - 17986	<b>Water Depth:</b> 7400
<b>Public Info Code:</b> Y 22-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17630 /17630	POS AT Lower Cretaceous (Aptian) Nannoconid crisis	DEF AT
17986 /17986	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268	Date of Summary: 01-SEP-2009	First Sample Examined: 17300
Lease Number: G23501	Source of Paleo: OPERATOR	Borehole MD: 24045
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24034
API Well Number: 608234001702	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 17300 - 23300	Water Depth: 7400
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Antietam Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17300 /17290	DEF AT first sample examined	DEF AT
17301 /17291	DEF IN Lower Cretaceous (Aptian) Nannoconus truitti (acme)	DEF AT
17509 /17499	DEF AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT
17510 /17500	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
17540 /17530	DEF AT Lower Cretaceous (Aptian) Micrantholithus obtusus	DEF AT
17570 /17560	DEF AT Lower Cretaceous (Aptian) Conusphaera rothii	DEF AT
17600 /17590	DEF AT Lower Cretaceous (Aptian) Globuligerina hoteriva	DEF AT
17629 /17619	DEF AT Lower Cretaceous (Aptian) Nannoconid crisis	DEF AT
17630 /17620	DEF AT Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
17869 /17859	DEF AT Lower Cretaceous (Barremian) Nannoconus abundans	DEF AT
17870 /17860	DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT
17930 /17920	DEF AT Lower Cretaceous (Barremian) Lithraphidites bollii	DEF AT
18589 /18579	DEF AT Lower Cretaceous (Hauterivian) Speetonia colligata	DEF AT
18590 /18580	DEF AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF AT
18664 /18654	DEF AT local marker benthic foram increase	DEF AT
18665 /18655	DEF AT Lower Cretaceous (Valanginian) Tubodiscus verenae	DEF AT
18680 /18670	DEF AT Lower Cretaceous (Valanginian) Everticyclammina virginulina	DEF AT
19190 /19180	DEF AT Lower Cretaceous Berriasian Stage	DEF AT
19387 /19377	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
19388 /19378	DEF AT Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT
19389 /19379	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268  
Lease Number: G23501  
Well Name: 001  
API Well Number: 608234001702  
Paleo Report Num: 1 of 2  
Public Info Code: Y 22-MAY-2013

Date of Summary: 01-SEP-2009  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 17300 - 23300  
Ecozone Eq MMS:

First Sample Examined: 17300  
Borehole MD: 24045  
Borehole TVD: 24034  
Rkb Elevation: 75  
Water Depth: 7400  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19390 /19380	DEF AT Upper Jurassic (Tithonian) Epistomina uhligi	DEF AT
19450 /19440	DEF AT Upper Jurassic Reinholdella "A" (increase)	DEF AT
19470 /19460	DEF AT local marker floral increase	DEF AT
19660 /19650	DEF AT local marker foram decrease	DEF AT
19720 /19710	DEF AT local marker benthic foram increase	DEF AT
20180 /20170	POS AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii bigotii	DEF AT
20200 /20190	DEF AT Upper Jurassic (Tithonian) Watznaueria britannica (increase)	DEF AT
20239 /20229	DEF AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii bigotii	DEF AT
20240 /20230	DEF AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii maximum	DEF AT
20700 /20690	POS AT Upper Jurassic (Oxfordian) Lotharingius crucicentralis	DEF AT
21260 /21250	POS AT Upper Jurassic (Oxfordian) Discorhabdus jungii	DEF AT
21460 /21450	DEF AT Upper Jurassic (Oxfordian) Lotharingius crucicentralis	DEF AT
21499 /21489	DEF AT Upper Jurassic (Oxfordian) Globuligerina oxfordiana	DEF AT
21500 /21490	POS AT Upper Jurassic (Oxfordian) Paalzowella feifeli	DEF AT
22020 /22010	DEF AT local marker floral increase	DEF AT
22460 /22450	DEF AT local marker floral increase	DEF AT
23010 /23000	DEF AT local marker floral decrease	DEF AT
23300 /23290	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 268	<b>Date of Summary:</b> 01-SEP-2009	<b>First Sample Examined:</b> 17725
<b>Lease Number:</b> G23501	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24045
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24034
<b>API Well Number:</b> 608234001702	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17725 - 23300	<b>Water Depth:</b> 7400
<b>Public Info Code:</b> Y 22-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Antietam Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17725 /17715	DEF AT first sample examined	POS AT 4
17726 /17716	DEF IN local marker foram decrease	POS AT 4
18230 /18220	POS IN Lower Cretaceous (Aptian) Globuligerina hoteriva	DEF AT 4
18590 /18580	POS IN Lower Cretaceous (Barremian) Clavhedbergella eocretacea	DEF AT 3
18664 /18654	DEF AT maximum flooding surface	DEF AT 3
18665 /18655	DEF AT local marker benthic foram increase	DEF AT 3
18680 /18670	POS AT Lower Cretaceous (Valanginian) Everticyclammina virginulina	DEF AT 3
19190 /19180	DEF AT limestone	DEF AT 3
19390 /19380	POS AT Upper Jurassic (Tithonian) Eoguttulina amygdalina	DEF AT 3
19430 /19420	POS IN Jurassic Bossier Formation	DEF AT 3
19449 /19439	DEF AT maximum flooding surface	DEF AT 3
19450 /19440	DEF AT Upper Jurassic Reinholdella "A" (increase)	DEF AT 3
19530 /19520	POS AT Upper Jurassic (Tithonian) Eoguttulina amygdalina	DEF AT 3
19550 /19540	DEF AT local marker benthic foram increase	DEF AT 3
19600 /19590	DEF AT local marker benthic foram increase	DEF AT 2
19720 /19710	DEF AT foram flood	DEF IN 1
19800 /19790	DEF AT local marker foram decrease	DEF AT 1
20940 /20930	POS AT Upper Jurassic (Kimmeridgian) Epistomina mosquensis	DEF AT 1
21500 /21490	POS AT Upper Jurassic (Oxfordian) Globuligerina oxfordiana	DEF IN 1
21580 /21570	DEF AT Upper Jurassic (Oxfordian) Globuligerina oxfordiana	DEF AT 1
21640 /21630	DEF AT -----	DEF IN 1
21800 /21790	DEF AT -----	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 268  
Lease Number: G23501  
Well Name: 001  
API Well Number: 608234001702  
Paleo Report Num: 2 of 2  
Public Info Code: Y 22-MAY-2013

Date of Summary: 01-SEP-2009  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 17725 - 23300  
Ecozone Eq MMS: Y

First Sample Examined: 17725  
Borehole MD: 24045  
Borehole TVD: 24034  
Rkb Elevation: 75  
Water Depth: 7400  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21920 /21910	DEF AT -----	DEF IN 1
22220 /22210	DEF AT local marker planktic foram increase	DEF IN 1
22500 /22490	DEF AT -----	DEF AT 1
22640 /22630	DEF AT -----	DEF IN 1
22650 /22640	DEF AT -----	DEF AT 1
22660 /22650	DEF AT -----	DEF IN 1
22700 /22690	DEF AT -----	DEF AT 1
22850 /22840	DEF AT local marker benthic foram increase	DEF IN 1
22990 /22980	DEF AT -----	DEF AT 1
23300 /23290	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 269	<b>Date of Summary:</b> 01-SEP-2003	<b>First Sample Examined:</b> 9560
<b>Lease Number:</b> G23502	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24014
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 24009
<b>API Well Number:</b> 608234000600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 9560 - 24010	<b>Water Depth:</b> 7509
<b>Public Info Code:</b> Y 22-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Shiloh Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9560 / 9560	DEF AT first sample examined	DEF AT
9561 / 9561	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
9580 / 9580	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9670 / 9670	DEF AT local marker floral increase	DEF AT
9820 / 9820	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
9910 / 9910	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10330 /10330	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10480 /10480	DEF AT local marker floral increase	DEF AT
11140 /11140	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11320 /11320	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11620 /11620	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11740 /11740	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT
11770 /11770	DEF AT local marker floral increase	DEF AT
11890 /11890	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
11920 /11920	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12340 /12340	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12430 /12430	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
12580 /12580	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
12670 /12670	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
13120 /13120	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13450 /13450	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
13480 /13480	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 269  
 Lease Number: G23502  
 Well Name: 001  
 API Well Number: 608234000600  
 Paleo Report Num: 1 of 3  
 Public Info Code: Y 22-MAY-2013

Date of Summary: 01-SEP-2003  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 9560 - 24010  
 Ecozone Eq MMS:

First Sample Examined: 9560  
 Borehole MD: 24014  
 Borehole TVD: 24009  
 Rkb Elevation: 75  
 Water Depth: 7509  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13510 /13510	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13539 /13539	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
13540 /13540	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
13570 /13570	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
13600 /13600	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
13630 /13630	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
13660 /13660	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
13760 /13760	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
13820 /13820	DEF IN Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
13821 /13821	POS AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
13880 /13880	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
13940 /13940	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
14060 /14060	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
14080 /14080	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
14100 /14100	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
14140 /14140	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
14220 /14220	DEF AT Cretaceous	DEF AT
14240 /14240	POS AT Upper Cretaceous (Turonian) Parhabdololithus asper	DEF AT
14280 /14280	DEF AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT
14560 /14560	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT
15660 /15659	DEF AT Lower Cretaceous (Albian) Braarudosphaera hockwoldensis	DEF AT
16500 /16499	POS AT Lower Cretaceous (Aptian) Nannoconus truitti (acme)	DEF AT
16760 /16759	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
16780 /16779	POS IN Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 269  
Lease Number: G23502  
Well Name: 001  
API Well Number: 608234000600  
Paleo Report Num: 1 of 3  
Public Info Code: Y 22-MAY-2013

Date of Summary: 01-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 9560 - 24010  
Ecozone Eq MMS:

First Sample Examined: 9560  
Borehole MD: 24014  
Borehole TVD: 24009  
Rkb Elevation: 75  
Water Depth: 7509  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16980 /16979	DEF AT Lower Cretaceous (Aptian) Nannoconid crisis	DEF AT
17060 /17059	DEF IN Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
17960 /17959	DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT
18100 /18099	DEF AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF AT
18180 /18179	DEF AT Lower Cretaceous (Valanginian) Micrantholithus speetonensis	DEF AT
18959 /18958	DEF IN Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT
18960 /18959	DEF IN Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
19550 /19548	DEF AT Upper Jurassic (Tithonian) Watznaueria britannica (increase)	DEF AT
19920 /19918	DEF IN Upper Jurassic (Tithonian) Watznaueria britannica (increase)	DEF AT
19980 /19978	DEF AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii bigotii	DEF AT
23060 /23056	POS AT Upper Jurassic (Oxfordian) Lotharingius sigillatus	DEF AT
24010 /24005	DEF AT last sample examined	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 269	Date of Summary: 01-OCT-2003	First Sample Examined: 14600
Lease Number: G23502	Source of Paleo: OPERATOR	Borehole MD: 24014
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24009
API Well Number: 608234000600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 3	Sample Range: 14600 - 24000	Water Depth: 7509
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: N	Paleo ID: 003

**Remark:** Shiloh Prospect, palynological report done by Pierre Zippi of biostratigraphy.com, palynologic analysis yielded no Oxfordian-aged samples, differing significantly from evidence provided in the associated foram and coccolith report, thermal maturation of organic particles estimated fro pollen color from 14600 to 24000, the well entered the oil window (~Ro=05%) at 17120 and exited the main phase of liquid petroleum generation (%Ro=13%) at 23910, the paleo interval analyzed was deposited in a protected inner shelf to middle shelf environment, palynologic abundance, diversity, and age model charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14600 /14600	DEF AT first sample examined	DEF AT
14601 /14601	POS IN Lower Cretaceous Albian Stage	DEF AT
15200 /15199	DEF IN Lower Cretaceous Albian Stage	DEF AT
16700 /16699	POS AT Lower Cretaceous Aptian Stage	DEF AT
16760 /16759	POS IN Lower Cretaceous Aptian Stage	DEF AT
17240 /17239	POS AT Lower Cretaceous Hauterivian Stage	DEF AT
17600 /17599	POS AT Lower Cretaceous Valanginian Stage	DEF AT
18020 /18019	DEF AT Lower Cretaceous Valanginian Stage	DEF AT
18260 /18259	POS IN Lower Cretaceous Valanginian Stage	DEF AT
18440 /18439	DEF IN Lower Cretaceous Valanginian Stage	DEF AT
19350 /19349	POS AT Lower Cretaceous Berriasian Stage	DEF AT
19530 /19528	DEF AT Lower Cretaceous Berriasian Stage	DEF AT
19710 /19708	POS IN Upper Jurassic Tithonian Stage	DEF AT
20430 /20428	POS IN Upper Jurassic Kimmeridgian Stage	DEF AT
20910 /20908	DEF IN Upper Jurassic Kimmeridgian Stage	DEF AT
23480 /23475	POS AT Middle Jurassic Callovian Stage	DEF AT
24000 /23995	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 269	Date of Summary: 01-NOV-2003	First Sample Examined: 13655
Lease Number: G23502	Source of Paleo: OPERATOR	Borehole MD: 24014
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24009
API Well Number: 608234000600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 13655 - 24010	Water Depth: 7509
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Shiloh Prospect, foraminiferal paleo report done by Peter R Thompson of the IRF Group (Plano TX), many foram specimens below 20920 are pyritized, specimens of *Lenticulina quenstedti* appear rare but consistent at and below 21010, 22360=rare *Garantella* spp, age model (age-depth) and foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13655 /13655	DEF AT first sample examined	DEF IN 4
13656 /13656	DEF IN Upper Eocene (Priabonian) <i>Globorotalia cerroazulensis cocoaensis</i>	DEF IN 4
13700 /13700	DEF AT Upper Eocene (Priabonian) <i>Globigerinatheka semiinvoluta</i>	DEF IN 4
13760 /13760	DEF AT Middle Eocene (Bartonian) <i>Globorotalia bullbrookii</i>	DEF IN 4
13780 /13780	DEF AT Middle Eocene (Bartonian) <i>Orbulinoides beckmanni</i>	DEF IN 4
13840 /13840	DEF IN Middle Eocene (Bartonian) <i>Acarinina broedermanni</i>	DEF IN 4
13900 /13900	DEF AT Middle Eocene (Lutetian) <i>Morozovella aragonensis</i>	DEF IN 4
14060 /14060	DEF AT Lower Eocene (Ypresian) <i>Acarinina angulosa</i>	DEF IN 4
14061 /14061	POS AT Lower Eocene (Ypresian) <i>Morozovella rex/ subbotinae</i>	DEF IN 4
14100 /14100	DEF AT Lower Eocene (Ypresian) <i>Morozovella formosa formosa</i>	DEF IN 4
14120 /14120	DEF AT Upper Paleocene (Thanetian) <i>Planorotalites compressa</i>	DEF IN 4
14140 /14140	DEF AT Upper Paleocene (Thanetian) <i>Subbotina pseudobulloides</i>	DEF IN 4
14180 /14180	DEF AT Upper Cretaceous (Maastrichtian) <i>Rosita fornicata</i>	DEF IN 4
14240 /14240	DEF AT Upper Cretaceous (Santonian) <i>Dicarinella concavata</i>	DEF IN 4
14260 /14260	DEF AT Upper Cretaceous (Santonian) <i>Marginotruncana renzi</i>	DEF IN 4
14280 /14280	DEF AT Upper Cretaceous (Cenomanian) <i>Rotalipora appenninica</i>	DEF IN 4
14360 /14360	POS IN Upper Cretaceous (Cenomanian) <i>Rotalipora reicheli</i>	DEF IN 4
14380 /14380	DEF IN Upper Cretaceous (Cenomanian) <i>Favusella washitensis</i>	DEF IN 4
14400 /14400	DEF AT Upper Cretaceous (Cenomanian) <i>Rotalipora gandolfii</i>	DEF IN 4
14480 /14480	DEF AT Lower Cretaceous (Albian) <i>Planomalina buxtoni</i>	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 269	Date of Summary: 01-NOV-2003	First Sample Examined: 13655
Lease Number: G23502	Source of Paleo: OPERATOR	Borehole MD: 24014
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24009
API Well Number: 608234000600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 13655 - 24010	Water Depth: 7509
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14500 /14500	POS AT Lower Cretaceous (Albian) Rotalipora ticinensis	DEF AT 2
14520 /14520	DEF AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 2
14600 /14600	DEF AT Lower Cretaceous (Albian) Ticinella roberti	DEF AT 2
14640 /14639	DEF IN Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 2
15140 /15139	POS AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT 2
15500 /15499	DEF AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT 2
15880 /15879	DEF AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT 2
16080 /16079	DEF IN Lower Cretaceous (Albian) Orbitolina texana	DEF AT 2
16240 /16239	DEF AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 2
16320 /16319	DEF IN Lower Cretaceous (Albian) Coskinolinoides texanus	DEF AT 2
17060 /17059	DEF AT oolites	DEF AT 2
17560 /17559	POS AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT 2
17820 /17819	DEF AT Lower Cretaceous (Aptian) Lenticulina muensteri	DEF AT 2
17960 /17959	DEF AT Lower Cretaceous Barremian Stage	DEF AT 2
18020 /18019	DEF IN Lower Cretaceous (Aptian) Globuligerina hoteriva	DEF AT 2
18060 /18059	DEF AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT 2
18180 /18179	DEF AT Lower Cretaceous (Valanginian) Everticyclammina virginulina	POS AT 3
18360 /18359	DEF AT Lower Cretaceous (Valanginian) Lenticulina saxonica	POS AT 3
18960 /18959	POS AT Upper Jurassic Reinholdella "A" (increase)	DEF AT 3
19020 /19019	DEF AT Upper Jurassic (Tithonian) Epistomina stellacostata	DEF AT 3
19160 /19159	DEF AT Upper Jurassic (Tithonian) Buccricrenata italica (increase)	DEF AT 3
19190 /19189	DEF AT Upper Jurassic (Tithonian) Epistomina uhligi	DEF AT 3
19220 /19219	POS AT Upper Jurassic (Tithonian) Eoguttulina amygdalina	DEF AT 3
19600 /19598	DEF AT local marker foram decrease	DEF AT 2

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 269	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 13655
<b>Lease Number:</b> G23502	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24014
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 24009
<b>API Well Number:</b> 608234000600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 13655 - 24010	<b>Water Depth:</b> 7509
<b>Public Info Code:</b> Y 22-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19979 /19977	POS AT Upper Jurassic (Kimmeridgian) Epistomina mosquensis	DEF AT 2
19980 /19978	DEF AT Upper Jurassic (Kimmeridgian) Alveosepta jaccardi	DEF AT 2
21010 /21008	POS AT Upper Jurassic (Oxfordian) Lenticulina quenstedti	DEF AT 2
21290 /21287	DEF AT Upper Jurassic (Kimmeridgian) Epistomina mosquensis	DEF AT 2
21940 /21937	DEF IN Upper Jurassic (Kimmeridgian) Epistomina mosquensis	DEF AT 2
23150 /23146	DEF IN local marker foram decrease	POS AT 1
24010 /24005	DEF AT last sample examined	POS AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 445	Date of Summary: 10-NOV-2004	First Sample Examined: 11570
Lease Number: G23511	Source of Paleo: OPERATOR	Borehole MD: 15506
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15500
API Well Number: 608234001100	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 11570 - 15510	Water Depth: 7946
Public Info Code: Y 20-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Very rare Globorotalia peripheroacuta noted at 13440, 13770, 13830 and 13980 may be reworked, if in-place it indicates a fault or an unconformity, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11570 /11569	DEF AT first sample examined	DEF AT 5
11571 /11570	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
11910 /11909	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
12390 /12389	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
12480 /12479	DEF AT out-of-place section	DEF AT 6
12540 /12539	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
12600 /12599	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
13140 /13139	DEF AT faunal change (no faunal increase)	DEF AT 5
13440 /13439	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14220 /14218	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14460 /14458	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
15510 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 445	Date of Summary: 10-NOV-2004	First Sample Examined: 11570
Lease Number: G23511	Source of Paleo: OPERATOR	Borehole MD: 15506
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15500
API Well Number: 608234001100	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 11570 - 15510	Water Depth: 7946
Public Info Code: Y 20-MAR-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, very rare Discoaster kugleri noted at 13440 and 13470 is considered reworked, if in-place, it indicates a fault or unconformity, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11570 /11569	DEF AT first sample examined	DEF AT
11571 /11570	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11670 /11669	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11700 /11699	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12390 /12389	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12540 /12539	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12870 /12869	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13440 /13439	POS AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
13470 /13469	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13560 /13559	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14250 /14248	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14460 /14458	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15510 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 486	Date of Summary: 12-JUL-2008	First Sample Examined: 11570
Lease Number: G25855	Source of Paleo: OPERATOR	Borehole MD: 24560
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24558
API Well Number: 608234001500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 11570 - 16570	Water Depth: 7800
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Fredericksburg Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11570 /11570	DEF AT first sample examined	DEF AT
11571 /11571	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11660 /11660	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
11750 /11750	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11840 /11840	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11960 /11960	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12080 /12080	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13190 /13190	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13280 /13280	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13670 /13670	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
14150 /14150	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14240 /14240	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14270 /14270	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
15070 /15070	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15970 /15970	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16270 /16270	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16530 /16530	POS AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
16550 /16550	POS AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT
16570 /16570	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 486	Date of Summary: 18-AUG-2008	First Sample Examined: 11600
Lease Number: G25855	Source of Paleo: OPERATOR	Borehole MD: 24560
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24558
API Well Number: 608234001500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 3	Sample Range: 11600 - 14570	Water Depth: 7800
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Fredericksburg Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11119 /11119	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 5
11570 /11570	DEF AT first sample examined	DEF AT 4
11599 /11599	POS AT sequence boundary	DEF AT 5
11600 /11600	DEF AT pyrite	DEF AT 5
11720 /11720	POS IN Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
11750 /11750	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
12050 /12050	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
12080 /12080	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
12110 /12110	DEF AT glauconite	DEF AT 5
12350 /12350	DEF AT local marker planktic foram increase	DEF AT 5
12859 /12859	POS AT sequence boundary	DEF AT 5
12860 /12860	POS AT maximum flooding surface	DEF AT 5
12950 /12950	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
12980 /12980	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13100 /13100	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
13190 /13190	DEF AT local marker foram increase	DEF AT 5
13280 /13280	DEF AT local white Arenaceous fauna	DEF AT 5
13640 /13640	DEF AT local marker foram increase	DEF AT 5
13700 /13700	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
13880 /13880	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
13910 /13910	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14149 /14149	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 486  
 Lease Number: G25855  
 Well Name: 001  
 API Well Number: 608234001500  
 Paleo Report Num: 2 of 3  
 Public Info Code: Y 18-JUN-2015

Date of Summary: 18-AUG-2008  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 11600 - 14570  
 Ecozone Eq MMS: Y

First Sample Examined: 11600  
 Borehole MD: 24560  
 Borehole TVD: 24558  
 Rkb Elevation: 75  
 Water Depth: 7800  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14150 /14150	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14180 /14180	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
14300 /14300	DEF AT local marker foram increase	DEF AT 5
14570 /14570	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 486	<b>Date of Summary:</b> 02-JAN-2009	<b>First Sample Examined:</b> 16570
<b>Lease Number:</b> G25855	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24560
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 24558
<b>API Well Number:</b> 608234001500	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 16570 - 24300	<b>Water Depth:</b> 7800
<b>Public Info Code:</b> Y 18-JUN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Fredericksburg Prospect, Mesozoic global oceanic anoxic events (OAEs) noted, 17250 = Late Paleocene (Thanetian) Rzehakina epigona, consultant-integrated foram, coccolith, radiolarian, dinoflagellate and palynomorph report done by PetroStrat Ltd (UK), foram and nannospecies sequence stratigraphy, abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16570 /16570	DEF AT first sample examined	DEF IN 3
16571 /16571	DEF IN Lower Miocene (Aquitanian) Discoaster saundersi	DEF IN 3
16572 /16572	DEF IN Lower Miocene (Aquitanian) Globigerinoides primordius	DEF IN 3
16573 /16573	DEF IN Lower Miocene (Aquitanian) Globorotalia kugleri	DEF IN 3
16589 /16589	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN 3
16590 /16590	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF IN 3
16608 /16608	POS AT sequence boundary	DEF IN 3
16609 /16609	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 3
16610 /16610	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF IN 3
16630 /16630	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 3
16669 /16669	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF IN 3
16670 /16670	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 3
16690 /16690	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 3
16710 /16710	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 3
16810 /16810	DEF AT Lower Oligocene (Rupelian) Textularia mississippiensis seligi	DEF IN 3
16828 /16828	POS AT sequence boundary	DEF IN 3
16829 /16829	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 3
16830 /16830	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 3
16850 /16850	DEF AT local marker benthic foram increase	DEF IN 3
16868 /16868	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 3

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 486	Date of Summary: 02-JAN-2009	First Sample Examined: 16570
Lease Number: G25855	Source of Paleo: OPERATOR	Borehole MD: 24560
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24558
API Well Number: 608234001500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 16570 - 24300	Water Depth: 7800
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16869 /16869	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 3
16870 /16870	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 3
16886 /16886	POS AT sequence boundary	DEF IN 3
16887 /16887	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 3
16888 /16888	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 3
16889 /16889	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 3
16890 /16890	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 3
16910 /16910	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 3
16947 /16947	DEF AT condensed section	DEF AT 4
16948 /16948	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT 4
16949 /16949	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 4
16950 /16950	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 4
16968 /16968	DEF AT radiolarians	DEF IN 4
16969 /16969	DEF IN Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 4
16970 /16970	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF IN 4
16987 /16987	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 4
16988 /16988	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 4
16989 /16989	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 4
16990 /16990	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 4
17030 /17030	DEF AT radiolarians	DEF IN 4
17047 /17047	POS AT sequence boundary	DEF IN 4
17048 /17048	DEF AT local marker floral decrease	POS IN 4
17049 /17049	DEF AT radiolarians	POS IN 4
17050 /17050	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	POS IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 486  
Lease Number: G25855  
Well Name: 001  
API Well Number: 608234001500  
Paleo Report Num: 3 of 3  
Public Info Code: Y 18-JUN-2015

Date of Summary: 02-JAN-2009  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 16570 - 24300  
Ecozone Eq MMS: Y

First Sample Examined: 16570  
Borehole MD: 24560  
Borehole TVD: 24558  
Rkb Elevation: 75  
Water Depth: 7800  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17070 /17070	DEF AT radiolarians	DEF AT 6
17090 /17090	DEF AT Lower Eocene (Ypresian) Morozovella quetra	POS AT 7
17110 /17110	POS AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	POS AT 7
17129 /17129	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	POS AT 7
17130 /17130	DEF AT Lower Eocene (Ypresian) Toweius crassus	POS AT 6
17149 /17149	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	POS AT 5
17150 /17150	DEF AT Lower Eocene (Ypresian) Morozovella acuta	POS AT 5
17190 /17190	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	POS IN 4
17228 /17228	POS AT sequence boundary	DEF AT 4
17229 /17229	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	POS AT 4
17230 /17230	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	POS AT 4
17248 /17248	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 3
17249 /17249	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF IN 3
17250 /17250	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF IN 3
17269 /17269	DEF AT condensed section	DEF IN 3
17270 /17270	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF IN 3
17289 /17289	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF IN 3
17290 /17290	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	POS IN 3
17310 /17310	DEF AT Lower Paleocene (Danian) Chiasmolithus danicus	POS IN 3
17330 /17330	DEF AT condensed section	DEF IN 3
17349 /17349	DEF AT radiolarians	DEF IN 3
17350 /17350	DEF AT Lower Paleocene (Danian) Globoconusa daubjergensis	DEF IN 3
17366 /17366	DEF AT condensed section	DEF IN 3
17367 /17367	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 486	Date of Summary: 02-JAN-2009	First Sample Examined: 16570
Lease Number: G25855	Source of Paleo: OPERATOR	Borehole MD: 24560
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24558
API Well Number: 608234001500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 16570 - 24300	Water Depth: 7800
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17368 /17368	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana contusa	DEF IN 3
17369 /17369	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF IN 3
17370 /17370	DEF AT Upper Cretaceous (Campanian) Globorotalites micheliniana	POS IN 3
17390 /17390	DEF AT Upper Cretaceous (Campanian) Globotruncana elevata	DEF IN 3
17405 /17405	DEF AT Upper Cretaceous (Campanian) Eiffellithus eximius	DEF IN 3
17406 /17406	DEF AT Upper Cretaceous (Campanian) Lithastrinus grillii	DEF IN 3
17407 /17407	DEF AT Upper Cretaceous (Campanian) Marginotruncana marginata	DEF IN 3
17408 /17408	DEF AT Upper Cretaceous (Campanian) Whiteinella baltica	DEF IN 3
17409 /17409	DEF AT Upper Cretaceous (Santonian) Dicarinella asymetrica	DEF IN 3
17410 /17410	DEF AT Upper Cretaceous (Santonian) Hedbergella delrioensis	DEF IN 3
17429 /17429	POS AT Upper Cretaceous (Cenomanian) Axopodorhabdus albianus	DEF IN 3
17430 /17430	DEF AT Upper Cretaceous (Cenomanian) Rotalipora greenhornensis	DEF IN 3
17449 /17449	DEF AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF IN 3
17450 /17450	DEF AT Upper Cretaceous (Cenomanian) Rotalipora reicheli	DEF IN 3
17469 /17469	POS AT sequence boundary	DEF IN 3
17470 /17470	DEF AT Upper Cretaceous (Cenomanian) Globigerinelloides bentonensis	DEF IN 3
17490 /17490	DEF AT radiolarians	DEF AT 4
17509 /17509	POS AT sequence boundary	DEF AT 4
17510 /17510	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 4
17529 /17529	DEF AT Upper Cretaceous (Cenomanian) Rotalipora gandolfii	DEF AT 4
17530 /17530	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT 4
17569 /17569	DEF AT Lower Cretaceous (Albian) Planomalina buxtorfi	DEF AT 4
17570 /17570	DEF AT Lower Cretaceous (Albian) Rotalipora ticinensis	DEF AT 4
17590 /17590	DEF AT local marker planktic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 486	Date of Summary: 02-JAN-2009	First Sample Examined: 16570
Lease Number: G25855	Source of Paleo: OPERATOR	Borehole MD: 24560
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24558
API Well Number: 608234001500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 16570 - 24300	Water Depth: 7800
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17630 /17629	DEF AT radiolarians	DEF AT 5
17750 /17749	DEF AT radiolarians	DEF AT 5
17870 /17869	DEF AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 5
18109 /18108	DEF AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT 5
18110 /18109	DEF AT Lower Cretaceous (Albian) Coskinolinooides texanus	DEF AT 5
18190 /18189	DEF AT Lower Cretaceous (Albian) Rucinolithus irregularis	DEF AT 5
18530 /18529	DEF AT - - - - -	DEF IN 6
18810 /18809	DEF AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 6
19010 /19009	DEF AT Lower Cretaceous (Aptian) Globigerinelloides blowi	DEF AT 5
19110 /19109	DEF AT - - - - -	DEF IN 3
19150 /19149	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF IN 3
19170 /19169	DEF AT Lower Cretaceous (Aptian) Hedbergella sigali	DEF IN 3
19230 /19229	DEF AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF IN 3
19310 /19309	DEF AT Lower Cretaceous (Aptian) Globuligerina hoteriva	DEF IN 3
19340 /19339	POS AT sequence boundary	DEF IN 3
19390 /19389	DEF AT Lower Cretaceous (Aptian) Nannoconus kamptneri	DEF IN 3
19469 /19468	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF IN 3
19470 /19469	DEF AT Lower Cretaceous (Barremian) Nannoconus abundans	DEF IN 3
19530 /19529	DEF AT - - - - -	DEF AT 4
19549 /19548	DEF AT radiolarians	DEF IN 4
19550 /19549	DEF AT Lower Cretaceous (Barremian) Nannoconus colomii	DEF IN 4
19870 /19869	DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT 5
20389 /20388	POS AT sequence boundary	DEF IN 5
20390 /20389	DEF AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 486	Date of Summary: 02-JAN-2009	First Sample Examined: 16570
Lease Number: G25855	Source of Paleo: OPERATOR	Borehole MD: 24560
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24558
API Well Number: 608234001500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 16570 - 24300	Water Depth: 7800
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20469 /20468	POS AT sequence boundary	DEF AT 5
20470 /20469	DEF AT Lower Cretaceous (Valanginian) Rucinolithus wisei	DEF AT 5
20480 /20479	POS AT sequence boundary	DEF AT 5
20670 /20669	DEF AT Lower Cretaceous (Valanginian) Micrantholithus speetonensis	DEF AT 5
20690 /20689	POS AT sequence boundary	DEF AT 5
20750 /20749	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT 5
20910 /20909	DEF AT local marker floral decrease	DEF AT 5
20960 /20959	POS AT sequence boundary	DEF AT 5
20970 /20969	DEF AT Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT 6
20989 /20988	POS AT sequence boundary	DEF AT 6
20990 /20989	DEF AT Upper Jurassic Tithonian Stage	DEF AT 6
21030 /21029	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT 6
21050 /21049	POS AT sequence boundary	DEF AT 6
21210 /21209	POS AT sequence boundary	DEF AT 6
21230 /21229	DEF AT Upper Jurassic (Tithonian) Watznaueria britannica (decline)	DEF AT 6
21590 /21589	DEF AT - - - - -	DEF AT 3
21730 /21729	DEF AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii bigotii	DEF AT 5
21750 /21749	DEF AT radiolarians	DEF AT 6
21940 /21939	DEF IN Upper Jurassic (Tithonian) Epistomina uhligi	POS IN 3
22020 /22019	DEF AT Upper Jurassic (Kimmeridgian) Epistomina mosquensis	POS IN 3
22389 /22387	POS AT radiolarians	POS AT 4
22580 /22578	DEF AT Upper Jurassic (Oxfordian) Globuligerina oxfordiana	POS IN 3
22719 /22717	DEF AT local marker floral decrease	DEF AT
22720 /22718	DEF AT local marker foram decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 486	<b>Date of Summary:</b> 02-JAN-2009	<b>First Sample Examined:</b> 16570
<b>Lease Number:</b> G25855	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24560
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 24558
<b>API Well Number:</b> 608234001500	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 16570 - 24300	<b>Water Depth:</b> 7800
<b>Public Info Code:</b> Y 18-JUN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23500 /23498	DEF AT local marker floral decrease	DEF AT
24300 /24298	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 535	Date of Summary: 10-FEB-2014	First Sample Examined: 15279
Lease Number: G23516	Source of Paleo: OPERATOR	Borehole MD: 22407
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20825
API Well Number: 608234002001	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 15279 - 22407	Water Depth: 8169
Public Info Code: Y 19-JUN-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 19650=shallow carbonate ramp, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15279 /15279	DEF AT first sample examined	POS AT 4
15280 /15280	DEF IN Upper Cretaceous (Cenomanian) Coriolithon kennedyi	POS AT 4
15326 /15326	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 4
15327 /15327	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 4
15328 /15328	DEF AT Upper Cretaceous (Cenomanian) Textularia rioensis	DEF AT 4
15329 /15329	DEF AT Lower Cretaceous (Albian) Planomalina buxtorfi	DEF AT 4
15330 /15330	DEF AT Lower Cretaceous (Albian) Rotalipora ticinensis	DEF AT 4
15540 /15537	DEF AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 4
15660 /15654	POS IN Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT 4
15779 /15770	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT 4
15780 /15771	DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod)	DEF AT 3
16200 /16174	DEF AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT 3
16770 /16677	POS IN Lower Cretaceous (Aptian) Hedbergella sigali	DEF AT 2
16859 /16746	DEF AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT 2
16860 /16746	DEF AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF AT 2
16920 /16791	DEF AT Lower Cretaceous (Hauterivian) Speetonia colligata	DEF AT 2
16979 /16833	DEF AT Lower Cretaceous (Barremian) Clavhedbergella eocretacea	DEF IN 2
16980 /16833	DEF AT Lower Cretaceous (Valanginian) Micrantholithus speetonensis	DEF IN 2
17700 /17335	POS AT Lower Cretaceous (Valanginian) Schuleridea acuminata (ostracod)	DEF IN 2
17819 /17418	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT 2
17820 /17418	POS AT Upper Jurassic Reinholdella "A" (increase)	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 535	<b>Date of Summary:</b> 10-FEB-2014	<b>First Sample Examined:</b> 15279
<b>Lease Number:</b> G23516	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22407
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20825
<b>API Well Number:</b> 608234002001	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15279 - 22407	<b>Water Depth:</b> 8169
<b>Public Info Code:</b> Y 19-JUN-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19020 /18252	DEF AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii bigotii	DEF AT 2
19650 /18689	DEF AT -----	DEF AT 1
20150 /19037	DEF AT -----	DEF AT 2
20190 /19065	DEF AT Upper Jurassic Reinholdella "A" (increase)	DEF AT 2
20940 /19585	DEF AT -----	DEF AT 1
21748 /20223	DEF AT limestone	DEF AT 1
21749 /20224	DEF AT oolites	DEF AT 1
21750 /20224	POS AT Jurassic Smackover Formation	DEF AT 1
22300 /20724	DEF AT pyrite	DEF AT 2
22407 /20825	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 535	Date of Summary: 09-OCT-2013	First Sample Examined: 11430
Lease Number: G23520	Source of Paleo: OPERATOR	Borehole MD: 22135
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22135
API Well Number: 608234002000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 11430 - 22135	Water Depth: 8169
Public Info Code: Y 19-JUN-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 21260=shallow-water carbonate ramp, 22080=lithologic change, abundant reddish brown chert with rare black chert, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11430 /11430	DEF AT first sample examined	DEF IN 5
11431 /11431	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
11432 /11432	DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
11460 /11460	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
11610 /11610	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
11880 /11880	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11940 /11940	DEF AT - - - -	DEF AT 6
11970 /11970	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
11999 /11999	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
12000 /12000	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
12058 /12058	DEF AT out-of-place section	DEF AT 6
12059 /12059	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12060 /12060	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
12090 /12090	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
12119 /12119	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 6
12120 /12120	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
12180 /12180	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
12238 /12238	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
12239 /12239	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT 6
12240 /12240	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
12750 /12750	DEF AT - - - -	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 535  
Lease Number: G23520  
Well Name: SS001  
API Well Number: 608234002000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-JUN-2014

Date of Summary: 09-OCT-2013  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 11430 - 22135  
Ecozone Eq MMS: Y

First Sample Examined: 11430  
Borehole MD: 22135  
Borehole TVD: 22135  
Rkb Elevation: 84  
Water Depth: 8169  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13230 /13230	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
13260 /13260	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13320 /13320	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
13350 /13350	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14000 /14000	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
14449 /14449	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
14450 /14450	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
14479 /14479	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
14480 /14480	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
14600 /14600	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
14690 /14690	POS IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
15109 /15109	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
15110 /15110	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
15136 /15136	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 6
15137 /15137	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 6
15138 /15138	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 6
15139 /15139	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 6
15140 /15140	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 6
15169 /15169	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT 5
15170 /15170	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT 5
15228 /15228	POS AT reworked material	POS AT 5
15229 /15229	POS AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	POS AT 5
15230 /15230	POS AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	POS AT 5
15260 /15260	POS AT Upper Cretaceous (Santonian) Marginotruncana sinuosa	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 535	Date of Summary: 09-OCT-2013	First Sample Examined: 11430
Lease Number: G23520	Source of Paleo: OPERATOR	Borehole MD: 22135
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22135
API Well Number: 608234002000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 11430 - 22135	Water Depth: 8169
Public Info Code: Y 19-JUN-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15290 /15290	DEF AT out-of-place section	POS AT 5
15346 /15346	DEF AT Upper Cretaceous (Turonian) Praeglobotruncana stephani	DEF AT 4
15347 /15347	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 4
15348 /15348	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 4
15349 /15349	DEF AT Lower Cretaceous (Albian) Planomalina buxtorfi	DEF AT 4
15350 /15350	DEF AT Lower Cretaceous (Albian) Rotalipora ticinensis	DEF AT 4
15380 /15380	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT 4
15469 /15469	DEF AT Lower Cretaceous (Albian) Hayesites albiensis	DEF AT 4
15470 /15470	POS AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 4
15680 /15680	DEF AT local marker floral decrease	DEF AT 4
15890 /15890	DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod)	DEF AT 3
16490 /16490	DEF IN Lower Cretaceous (Albian) Prediscosphaera columnata	DEF AT 3
16640 /16640	POS AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 3
16700 /16700	POS AT Lower Cretaceous (Aptian) Planomalina cheniourensis	DEF AT 3
16730 /16730	POS AT Lower Cretaceous (Aptian) Globigerinelloides algerianus	DEF AT 3
16818 /16818	DEF AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF IN 2
16819 /16819	DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF IN 2
16820 /16820	DEF AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF IN 2
16879 /16879	DEF IN Lower Cretaceous (Aptian) Globigerinelloides blowi	DEF IN 2
16880 /16880	DEF IN Lower Cretaceous (Aptian) Hedbergella sigali	DEF IN 2
17090 /17090	DEF AT Lower Cretaceous (Valanginian) Diadorphombus rectus	DEF IN 2
17570 /17570	POS AT Lower Cretaceous (Valanginian) Schuleridea acuminata (ostracod)	DEF IN 2
17660 /17660	DEF AT - - - - -	DEF AT 2
17689 /17689	POS AT unconformity	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 535  
Lease Number: G23520  
Well Name: SS001  
API Well Number: 608234002000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-JUN-2014

Date of Summary: 09-OCT-2013  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 11430 - 22135  
Ecozone Eq MMS: Y

First Sample Examined: 11430  
Borehole MD: 22135  
Borehole TVD: 22135  
Rkb Elevation: 84  
Water Depth: 8169  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17690 /17690	DEF AT Upper Jurassic Reinholdella "A" (increase)	DEF AT 2
17720 /17720	DEF IN Lower Cretaceous Valanginian Stage	DEF AT 2
18050 /18050	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT 2
19900 /19900	POS AT Jurassic Smackover Formation	DEF AT 1
20470 /20470	POS AT Upper Jurassic (Oxfordian) Globuligerina oxfordiana	DEF AT 1
20800 /20800	DEF AT -----	DEF AT 2
20890 /20890	DEF AT -----	DEF AT 1
21100 /21100	DEF AT -----	DEF AT 2
21259 /21259	DEF AT limestone	DEF AT 1
21260 /21260	DEF AT local marker foram decrease	DEF AT 1
21320 /21320	POS AT Lower Cretaceous Berriasian Stage	DEF AT 1
21689 /21689	DEF AT gray shale	DEF AT 1
21690 /21690	DEF AT brown shale	DEF AT 1
22080 /22080	DEF AT local marker (general)	DEF AT 1
22089 /22089	POS AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF AT 1
22090 /22090	POS AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT 1
22135 /22135	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 618	Date of Summary: 07-MAY-1984	First Sample Examined: 11625
Lease Number: G23526	Source of Paleo: OPERATOR	Borehole MD: 15830
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15493
API Well Number: 608234001000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 11625 - 15829	Water Depth: 7823
Public Info Code: Y 17-MAY-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11625 /11625	DEF AT first sample examined	DEF AT 6
11626 /11626	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12360 /12360	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12720 /12717	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
12990 /12980	DEF AT -----	DEF AT 5
13200 /13177	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13470 /13419	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
13560 /13498	DEF AT -----	DEF AT 6
13620 /13552	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
13710 /13632	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
13770 /13685	DEF AT -----	DEF AT 5
14550 /14374	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15829 /15492	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 618	Date of Summary: 16-NOV-2004	First Sample Examined: 11625
Lease Number: G23526	Source of Paleo: OPERATOR	Borehole MD: 15830
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15493
API Well Number: 608234001000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 11625 - 15829	Water Depth: 7823
Public Info Code: Y 17-MAY-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11625 /11625	DEF AT first sample examined	DEF AT
11626 /11626	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
11790 /11790	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12060 /12060	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12090 /12090	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
12720 /12717	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13230 /13205	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13470 /13419	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
13560 /13498	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13620 /13552	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14460 /14295	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14700 /14506	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14910 /14689	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15829 /15492	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 618	Date of Summary: 02-DEC-2004	First Sample Examined: 11570
Lease Number: G23526	Source of Paleo: OPERATOR	Borehole MD: 18075
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15061
API Well Number: 608234001200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 11570 - 18074	Water Depth: 7787
Public Info Code: Y 17-MAY-2012	Ecozone Eq MMS:	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11570 /11570	DEF AT first sample examined	DEF AT 5
11600 /11600	DEF AT out-of-place section	DEF AT 5
11630 /11630	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
11930 /11929	DEF AT - - - - -	DEF AT 6
12050 /12049	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12230 /12226	DEF AT - - - - -	DEF AT 5
12760 /12724	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
13810 /13541	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14850 /13991	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15030 /14053	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15330 /14156	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
18074 /15061	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> DC 618	<b>Date of Summary:</b> 02-DEC-2004	<b>First Sample Examined:</b> 11570
<b>Lease Number:</b> G23526	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18075
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15061
<b>API Well Number:</b> 608234001200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11570 - 18074	<b>Water Depth:</b> 7787
<b>Public Info Code:</b> Y 17-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11570 /11570	DEF AT first sample examined	DEF AT
11720 /11720	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
11870 /11870	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12280 /12274	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
12580 /12559	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12670 /12643	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT
13750 /13503	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14020 /13663	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
14110 /13709	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15120 /14084	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15450 /14197	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15660 /14269	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16260 /14467	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18074 /15061	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 621	Date of Summary: 01-DEC-2003	First Sample Examined: 11170
Lease Number: G23529	Source of Paleo: OPERATOR	Borehole MD: 18065
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17270
API Well Number: 608234000800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 11170 - 18070	Water Depth: 8087
Public Info Code: Y 10-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11170 /11170	DEF AT first sample examined	DEF AT 6
11230 /11230	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
11589 /11589	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
11590 /11590	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11680 /11680	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12010 /12010	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
12070 /12070	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
12340 /12340	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
12430 /12430	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12640 /12640	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 6
12730 /12730	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
12850 /12850	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
12970 /12969	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
13240 /13239	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
13330 /13329	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
13540 /13539	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
13840 /13839	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
13900 /13899	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
14200 /14199	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
15429 /15375	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
15430 /15375	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
15458 /15400	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 621	<b>Date of Summary:</b> 01-DEC-2003	<b>First Sample Examined:</b> 11170
<b>Lease Number:</b> G23529	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18065
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17270
<b>API Well Number:</b> 608234000800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11170 - 18070	<b>Water Depth:</b> 8087
<b>Public Info Code:</b> Y 10-DEC-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15459 /15401	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
15460 /15402	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
15520 /15455	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
15850 /15729	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
16660 /16312	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
17680 /17017	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
17710 /17036	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
17740 /17056	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
17800 /17095	DEF AT reworked material	DEF AT 6
17860 /17134	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
17919 /17173	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
17920 /17174	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
17979 /17213	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT 6
17980 /17213	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
18070 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 621	Date of Summary: 18-DEC-2003	First Sample Examined: 14160
Lease Number: G23529	Source of Paleo: OPERATOR	Borehole MD: 17930
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17210
API Well Number: 608234000801	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 14160 - 17930	Water Depth: 8087
Public Info Code: Y 29-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14160 /14159	DEF AT first sample examined	DEF AT 6
14220 /14219	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
15420 /15349	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
15448 /15372	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
15449 /15373	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
15450 /15374	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
16230 /15971	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
16260 /15993	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
16530 /16181	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
17520 /16893	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
17550 /16915	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
17580 /16938	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
17610 /16961	DEF AT reworked material	DEF AT 6
17640 /16984	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
17670 /17007	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
17760 /17076	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT 6
17878 /17169	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 6
17879 /17170	DEF IN Lower Miocene (Aquitainian) Globigerina angulisuturalis	DEF AT 6
17880 /17170	POS AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 6
17930 /17210	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 726	<b>Date of Summary:</b> 02-DEC-2013	<b>First Sample Examined:</b> 6411
<b>Lease Number:</b> G32014	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18365
<b>Well Name:</b> 002	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 18362
<b>API Well Number:</b> 608234002400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 5	<b>Sample Range:</b> 6411 - 18365	<b>Water Depth:</b> 3575
<b>Public Info Code:</b> Y 24-AUG-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

**Remark:** Sake 2 Prospect, calcareous nannofossil report, 15120-TD=barren samples

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6411 / 6410	DEF AT first sample examined	DEF AT
10290 /10289	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
10439 /10438	POS AT Lower Cretaceous (Aptian) Micrantholithus obtusus	DEF AT
10440 /10439	POS AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT
13020 /13019	POS AT Lower Cretaceous (Hauterivian) Speetonia colligata	DEF AT
13650 /13649	POS AT Lower Cretaceous (Valanginian) Micrantholithus speetonensis	DEF AT
14400 /14399	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
14460 /14459	DEF AT Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT
14580 /14579	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
14670 /14669	DEF AT Upper Jurassic (Tithonian) Watznaueria britannica (increase)	DEF AT
15030 /15029	POS AT local marker floral increase	DEF AT
15120 /15119	DEF AT local marker floral decrease	DEF AT
18365 /18362	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 726	Date of Summary: 20-DEC-2013	First Sample Examined: 6411
Lease Number: G32014	Source of Paleo: OPERATOR	Borehole MD: 18365
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18362
API Well Number: 608234002400	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 2 of 5	Sample Range: 6411 - 16740	Water Depth: 3575
Public Info Code: Y 24-AUG-2016	Ecozone Eq MMS:	Paleo ID: 001

Remark: Sake 2 Prospect, company-integrated foram, ostracod and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6411 / 6410	DEF AT first sample examined	DEF AT
6412 / 6411	DEF IN cement	DEF AT
6840 / 6839	DEF AT Lower Cretaceous (Albian) Cytheridea goodlandensis (ostracod)	DEF AT
7650 / 7649	DEF AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT
8730 / 8729	DEF AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT
8970 / 8969	POS AT Lower Cretaceous (Albian) Coskinolinoidea texanus	DEF AT
9060 / 9059	DEF AT miliolid limestone	DEF AT
10259 /10258	DEF AT Lower Cretaceous (Aptian) Nannoconus truitti (acme)	DEF AT
10260 /10259	POS AT Lower Cretaceous (Aptian) Nannoconus kamptneri	DEF AT
10438 /10437	POS AT Lower Cretaceous (Aptian) Micrantholithus obtusus	DEF AT
10439 /10438	POS AT Lower Cretaceous (Aptian) Lenticulina muensteri	DEF AT
10440 /10439	DEF AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT
10470 /10469	DEF AT local marker floral decrease	DEF AT
13019 /13018	POS AT Lower Cretaceous (Hauterivian) Speetonia colligata	DEF AT
13020 /13019	POS IN Lower Cretaceous (Valanginian) Tubodiscus verenae	DEF AT
13650 /13649	DEF AT Lower Cretaceous (Valanginian) Rucinolithus wisei	DEF AT
14010 /14009	POS AT Lower Cretaceous (Valanginian) Micrantholithus speetonensis	DEF AT
14400 /14399	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
14429 /14428	POS IN Lower Cretaceous (Valanginian) Everticyclammina virginulina	DEF AT
14430 /14429	POS IN Lower Cretaceous (Valanginian) Lenticulina saxonica	DEF AT
14459 /14458	DEF AT Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT
14460 /14459	DEF AT Lower Cretaceous (Berriasian) Pentaschuleridea pentagonalis (ostracod)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 726  
Lease Number: G32014  
Well Name: 002  
API Well Number: 608234002400  
Paleo Report Num: 2 of 5  
Public Info Code: Y 24-AUG-2016

Date of Summary: 20-DEC-2013  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 6411 - 16740  
Ecozone Eq MMS:

First Sample Examined: 6411  
Borehole MD: 18365  
Borehole TVD: 18362  
Rkb Elevation: 85  
Water Depth: 3575  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14489 /14488	DEF AT pyrite	DEF AT
14490 /14489	POS AT Arenaceous fauna (local marker)	DEF AT
14580 /14579	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
14610 /14609	DEF AT Upper Jurassic (Tithonian) Watznaueria britannica (increase)	DEF AT
14760 /14759	DEF AT Upper Jurassic Reinholdella "A" (increase)	DEF AT
14880 /14879	DEF AT Upper Jurassic (Tithonian) Gallaecytheridea postrotunda (ostracod)	DEF AT
15150 /15149	DEF AT local marker floral decrease	DEF AT
15839 /15838	POS AT Upper Jurassic (Tithonian) Epistomina stellacostata	DEF AT
15840 /15839	POS AT Upper Jurassic (Oxfordian) Lenticulina quenstedti	DEF AT
16740 /16739	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 726	Date of Summary: 24-JAN-2014	First Sample Examined: 6450
Lease Number: G32014	Source of Paleo: OPERATOR	Borehole MD: 18365
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18362
API Well Number: 608234002400	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 3 of 5	Sample Range: 6450 - 18360	Water Depth: 3575
Public Info Code: Y 24-AUG-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Sake 2 Prospect, foram thin-sections paleo report done by Ellington and Associates, 13575=Berriasian age based on Calpionella alpina and its associated calpionellid assemblage

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 6449	DEF AT first sample examined	DEF AT
6945 / 6944	DEF AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT
10050 /10049	DEF AT Lower Cretaceous (Aptian) Hedbergella sigali	DEF AT
10550 /10549	DEF AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT
13575 /13574	DEF AT Lower Cretaceous Berriasian Stage	DEF AT
14580 /14579	DEF AT Upper Jurassic Reinholdella "A" (increase)	DEF AT
16185 /16184	DEF AT Jurassic Buckner Formation	DEF AT
16590 /16589	DEF AT Jurassic Smackover Formation	DEF AT
17670 /17669	DEF AT Jurassic Norphlet Formation	DEF AT
18360 /18357	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 726	<b>Date of Summary:</b> 01-FEB-2014	<b>First Sample Examined:</b> 12900
<b>Lease Number:</b> G32014	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18365
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18362
<b>API Well Number:</b> 608234002400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 4 of 5	<b>Sample Range:</b> 12900 - 18365	<b>Water Depth:</b> 3575
<b>Public Info Code:</b> Y 24-AUG-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Sake 2 Prospect, palynologic report done by Don Benson, the IRF Group, 13140=Kimmeridgian-Oxfordian Geiselodinium paeminosum-Gonyaulacysta jurassica biozones

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /12899	DEF AT first sample examined	DEF AT
12901 /12900	DEF IN Jurassic	DEF AT
13140 /13139	DEF IN Upper Jurassic Kimmeridgian Stage	DEF AT
16560 /16559	POS AT Upper Jurassic Oxfordian Stage	DEF AT
18365 /18362	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 726	Date of Summary: 12-FEB-2014	First Sample Examined: 12943
Lease Number: G32014	Source of Paleo: OPERATOR	Borehole MD: 18365
Well Name: 002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 18362
API Well Number: 608234002400	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 5 of 5	Sample Range: 12943 - 16840	Water Depth: 3575
Public Info Code: Y 24-AUG-2016	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Sake 2 Prospect, calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12943 /12942	DEF AT first sample examined	DEF AT
13021 /13020	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
13699 /13698	DEF AT local marker floral increase	DEF AT
13839 /13838	DEF AT Lower Cretaceous (Valanginian) Tubodiscus verenae	DEF AT
14673 /14672	DEF IN Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT
14992 /14991	POS AT Upper Jurassic (Kimmeridgian) Stephanolithion bigotii bigotii	DEF AT
16840 /16839	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

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Area Block: DC 843	Date of Summary: 01-MAY-2014	First Sample Examined: 17870
Lease Number: G23540	Source of Paleo: OPERATOR	Borehole MD: 24613
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24560
API Well Number: 608234002200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 47
Paleo Report Num: 1 of 2	Sample Range: 17870 - 23620	Water Depth: 8487
Public Info Code: Y 18-NOV-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Swordfish Prospect, calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17870 /17870	DEF AT first sample examined	DEF AT
17871 /17871	DEF IN out-of-place section	DEF AT
18140 /18140	DEF IN Lower Eocene (Ypresian) Toweius crassus	DEF AT
18170 /18170	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
18380 /18380	DEF IN Upper Cretaceous (Campanian) Lithastrinus grillii	DEF AT
18440 /18440	DEF AT Upper Cretaceous (Coniacian) Quadrum gartneri	DEF AT
18470 /18470	DEF AT Upper Cretaceous (Cenomanian) Axopodorhabdus albianus	DEF AT
18499 /18499	DEF AT Upper Cretaceous (Cenomanian) Lithraphidites acutus	DEF AT
18500 /18500	DEF AT Upper Cretaceous (Cenomanian) Coriolithon kennedyi	DEF AT
18680 /18680	DEF AT Lower Cretaceous (Albian) Hayesites albiensis	DEF AT
20290 /20290	DEF AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF AT
20380 /20380	DEF IN Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
20590 /20590	DEF IN Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
21100 /21099	DEF IN Upper Jurassic (Kimmeridgian) Stephanolithion bigotii bigotii	DEF AT
21910 /21899	POS AT Middle Jurassic (Callovian) Stephanolithion hexum	DEF AT
23620 /23582	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 843	<b>Date of Summary:</b> 29-SEP-2014	<b>First Sample Examined:</b> 17870
<b>Lease Number:</b> G23540	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24613
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 24560
<b>API Well Number:</b> 608234002200	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 47
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17870 - 23620	<b>Water Depth:</b> 8487
<b>Public Info Code:</b> Y 18-NOV-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Swordfish Prospect, from 19730 to TD represents a foram barren zone and contaminants, this interval lacks foraminifera but contains numerous benthic macrofossils (bivalves and gastropoda), the depositional environment of which is uncertain but should be relatively shallow in water depth, foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17870 /17870	DEF AT first sample examined	DEF AT
17871 /17871	DEF IN condensed section	DEF AT
17872 /17872	DEF IN Lower Miocene (Aquitainian) Globigerina angulisuturalis	DEF AT
17899 /17899	DEF AT unconformity	DEF AT
17900 /17900	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT
17929 /17929	DEF AT unconformity	DEF AT
17930 /17930	DEF IN Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT
17960 /17960	DEF AT radiolarians	DEF AT
18094 /18094	DEF AT unconformity	DEF AT
18140 /18140	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT
18199 /18199	DEF AT local marker benthic foram increase	DEF AT
18200 /18200	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT
18230 /18230	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
18258 /18258	DEF AT unconformity	DEF AT
18259 /18259	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT
18260 /18260	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT
18410 /18410	DEF AT Upper Cretaceous (Santonian) Marginotruncana sinuosa	DEF AT
18439 /18439	DEF AT unconformity	DEF AT
18440 /18440	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT
18469 /18469	DEF AT Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 843	<b>Date of Summary:</b> 29-SEP-2014	<b>First Sample Examined:</b> 17870
<b>Lease Number:</b> G23540	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24613
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 24560
<b>API Well Number:</b> 608234002200	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 47
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17870 - 23620	<b>Water Depth:</b> 8487
<b>Public Info Code:</b> Y 18-NOV-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18470 /18470	DEF AT Upper Cretaceous (Cenomanian) Rotalipora greenhornensis	DEF AT
18650 /18650	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT
18799 /18799	DEF AT Lower Cretaceous (Albian) Planomalina buxtorfi	DEF AT
18800 /18800	DEF AT Lower Cretaceous (Albian) Rotalipora ticinensis	DEF AT
18859 /18859	DEF AT Lower Cretaceous (Albian) Ticinella roberti	DEF AT
18860 /18860	DEF AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT
19520 /19520	DEF AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT
19728 /19728	POS AT drilling material	DEF AT
19729 /19729	DEF AT out-of-place section	DEF AT
19730 /19730	DEF AT local marker foram decrease	DEF AT
23620 /23582	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: DC 927	Date of Summary: 17-APR-2003	First Sample Examined: 11400
Lease Number: G10480	Source of Paleo: OPERATOR	Borehole MD: 19285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19279
API Well Number: 608234000500	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 11400 - 19285	Water Depth: 8469
Public Info Code: Y 13-MAY-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 17480=Paleocene Cruciplacolithus edwardsii

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11399	DEF AT first sample examined	DEF AT
12590 /12589	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12680 /12679	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12800 /12799	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12860 /12859	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13010 /13009	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
13380 /13379	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13680 /13679	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13890 /13889	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15150 /15148	DEF AT sample gap top	DEF AT
15389 /15387	DEF AT sample gap bottom	DEF AT
15390 /15388	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15510 /15508	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16520 /16517	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
16820 /16817	DEF AT out-of-place section	DEF AT
16850 /16847	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
16970 /16967	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
17000 /16997	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17180 /17177	DEF AT out-of-place section	DEF AT
17300 /17297	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17330 /17327	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
17360 /17357	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT

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End Date: 01-DEC-2016

<b>Area Block:</b> DC 927	<b>Date of Summary:</b> 17-APR-2003	<b>First Sample Examined:</b> 11400
<b>Lease Number:</b> G10480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19285
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19279
<b>API Well Number:</b> 608234000500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11400 - 19285	<b>Water Depth:</b> 8469
<b>Public Info Code:</b> Y 13-MAY-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17390 /17387	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
17420 /17417	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
17480 /17476	DEF AT local marker floral increase	DEF AT
17540 /17536	DEF IN Upper Cretaceous (Maastrichtian) Micula decussata	DEF AT
17600 /17596	DEF AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT
17990 /17986	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
18140 /18136	DEF IN Lower Cretaceous (Aptian) Conusphaera mexicana	DEF AT
19285 /19279	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DC 927	<b>Date of Summary:</b> 22-APR-2003	<b>First Sample Examined:</b> 11400
<b>Lease Number:</b> G10480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19285
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19279
<b>API Well Number:</b> 608234000500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11400 - 19285	<b>Water Depth:</b> 8469
<b>Public Info Code:</b> Y 13-MAY-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** The interval from 17210 to 18140 is a stacked condensed section with multiple unconformities and/or faulting events, 17540=lowermost Maastrichtian Globorotalia ventricosa with Globotruncana fornicata and Globotruncana lapparenti, 17570=in Turonian Helvetoglobotruncana helvetica with Dicarionella algeriana, 18260=lithologic change, with coral fragments observed sporadically over the interval 18260 to 19070

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11399	DEF AT first sample examined	DEF AT 5
12530 /12529	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
12560 /12559	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12590 /12589	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12680 /12679	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12890 /12889	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
13500 /13499	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
13710 /13709	DEF AT - - - - -	DEF AT 5
14130 /14129	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15150 /15148	DEF AT sample gap top	POS AT 5
15389 /15387	DEF AT sample gap bottom	DEF AT 5
15390 /15388	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
15420 /15418	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
15450 /15448	DEF AT - - - - -	DEF AT 6
15540 /15538	DEF AT - - - - -	DEF AT 5
16160 /16158	DEF AT - - - - -	DEF AT 6
16610 /16607	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
16880 /16877	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
16910 /16907	DEF AT - - - - -	DEF AT 5
17209 /17206	DEF AT condensed section	DEF AT 5

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Start Date: 01-JAN-2000

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<b>Area Block:</b> DC 927	<b>Date of Summary:</b> 22-APR-2003	<b>First Sample Examined:</b> 11400
<b>Lease Number:</b> G10480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19285
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19279
<b>API Well Number:</b> 608234000500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11400 - 19285	<b>Water Depth:</b> 8469
<b>Public Info Code:</b> Y 13-MAY-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17210 /17207	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
17270 /17267	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
17330 /17327	DEF IN Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 5
17390 /17387	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 5
17480 /17476	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT 5
17540 /17536	DEF IN Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 5
17570 /17566	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT 5
17600 /17596	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 5
17720 /17716	DEF AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 5
17840 /17836	POS AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 4
17870 /17866	DEF AT -----	DEF AT 3
18140 /18136	DEF AT -----	DEF AT 2
18260 /18255	DEF AT reefal material	DEF AT 2
18440 /18435	DEF AT -----	DEF AT 1
19285 /19279	DEF AT last sample examined	DEF AT 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> DD 56	<b>Date of Summary:</b> 27-APR-1992	<b>First Sample Examined:</b> 22760
<b>Lease Number:</b> G06406	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22812
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22807
<b>API Well Number:</b> 608224003900	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 1500 - 22864	<b>Water Depth:</b> 187
<b>Public Info Code:</b> Y 22-DEC-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** 22761=probable dune field, 22780=water-laden non-marine shale

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22760 /22756	DEF AT sandstone	DEF AT
22761 /22757	DEF AT non-marine sediment	DEF AT 0
22779 /22775	DEF AT gray shale	DEF AT 0
22780 /22776	DEF AT non-marine sediment	DEF AT 0
22830 /	DEF AT caprock	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 112	Date of Summary: 12-JUL-1990	First Sample Examined: 2490
Lease Number: G08195	Source of Paleo: OPERATOR	Borehole MD: 11300
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6657
API Well Number: 608044014700	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 2490 - 10300	Water Depth: 655
Public Info Code: Y 31-JUL-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2490 / 2170	DEF AT first sample examined	DEF AT
2491 / 2171	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4140 / 3109	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5040 / 3596	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5670 / 3941	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6210 / 4257	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8100 / 5303	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9840 / 6332	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9960 / 6416	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10110 / 6522	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10200 / 6586	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10280 / 6643	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10300 / 6657	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 112	Date of Summary: 13-JUL-1990	First Sample Examined: 2490
Lease Number: G08195	Source of Paleo: OPERATOR	Borehole MD: 11300
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6657
API Well Number: 608044014700	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 2490 - 10300	Water Depth: 655
Public Info Code: Y 31-JUL-2000	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2490 / 2170	DEF AT first sample examined	DEF IN 5
2610 / 2230	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
3960 / 3014	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4980 / 3564	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
5670 / 3941	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8040 / 5271	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9900 / 6374	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9930 / 6395	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10260 / 6629	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10300 / 6657	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 112	Date of Summary: 21-OCT-1992	First Sample Examined: 2225
Lease Number: G08195	Source of Paleo: OPERATOR	Borehole MD: 7867
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6541
API Well Number: 608044015700	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 2225 - 7867	Water Depth: 638
Public Info Code: Y 23-OCT-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2225 / 2105	DEF AT first sample examined	DEF AT 5
2490 / 2317	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
3030 / 2751	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
3480 / 3117	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
3750 / 3339	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
4030 / 3573	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
4750 / 4143	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
5050 / 4375	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
6009 / 5122	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6010 / 5123	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
7450 / 6223	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
7628 / 6359	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7629 / 6360	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
7630 / 6360	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
7690 / 6406	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
7867 / 6542	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EB 112	<b>Date of Summary:</b> 21-OCT-1992	<b>First Sample Examined:</b> 2225
<b>Lease Number:</b> G08195	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7867
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6541
<b>API Well Number:</b> 608044015700	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2225 - 7867	<b>Water Depth:</b> 638
<b>Public Info Code:</b> Y 23-OCT-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2225 / 2105	DEF AT first sample examined	DEF AT
2226 / 2106	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3030 / 2751	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
3390 / 3044	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
3480 / 3117	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
3840 / 3414	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
4750 / 4143	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7480 / 6246	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7660 / 6383	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7750 / 6452	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7867 / 6542	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 156	Date of Summary: 28-APR-1992	First Sample Examined: 2270
Lease Number: G11411	Source of Paleo: OPERATOR	Borehole MD: 12843
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9873
API Well Number: 608044015500	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 74
Paleo Report Num: 1 of 4	Sample Range: 2270 - 10260	Water Depth: 988
Public Info Code: Y 06-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Original hole report, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2270 / 2270	DEF AT first sample examined	POS IN 5
2271 / 2271	POS IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	POS IN 5
2480 / 2480	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
3290 / 3290	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
3470 / 3470	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
3560 / 3560	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
4370 / 4370	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
4770 / 4769	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
4890 / 4886	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
5430 / 5387	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
5550 / 5489	DEF AT local marker planktic foram increase	DEF IN 5
5640 / 5563	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
9390 / 7547	POS AT reworked material	DEF IN 5
10140 / 7920	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10170 / 7936	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
10260 / 7984	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 156	Date of Summary: 28-APR-1992	First Sample Examined: 2270
Lease Number: G11411	Source of Paleo: OPERATOR	Borehole MD: 12843
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9873
API Well Number: 608044015500	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 74
Paleo Report Num: 2 of 4	Sample Range: 2270 - 10260	Water Depth: 988
Public Info Code: Y 06-JUL-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report for original hole, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2270 / 2270	DEF AT first sample examined	DEF AT
2480 / 2480	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3470 / 3470	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4369 / 4369	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4370 / 4370	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4860 / 4857	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5490 / 5439	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8490 / 7112	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9390 / 7547	DEF AT reworked material	DEF AT
10140 / 7920	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10260 / 7984	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 156	Date of Summary: 28-APR-1992	First Sample Examined: 10260
Lease Number: G11411	Source of Paleo: OPERATOR	Borehole MD: 12843
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9873
API Well Number: 608044015500	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 74
Paleo Report Num: 3 of 4	Sample Range: 10260 - 12843	Water Depth: 988
Public Info Code: Y 06-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10260 / 7984	DEF AT first sample examined	DEF IN 5
10261 / 7985	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10262 / 7985	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
10650 / 8201	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10740 / 8255	DEF AT - - - - -	DEF AT 6
11070 / 8469	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
11219 / 8576	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11220 / 8577	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12000 / 9186	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12300 / 9428	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
12330 / 9452	DEF AT Arenaceous fauna (local marker)	DEF AT 6
12510 / 9597	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
12570 / 9646	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 6
12810 / 9846	DEF AT Cyclamina cancellata (local marker)	DEF AT 6
12843 / 9873	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 156	Date of Summary: 28-APR-1992	First Sample Examined: 10320
Lease Number: G11411	Source of Paleo: OPERATOR	Borehole MD: 12843
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9873
API Well Number: 608044015500	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 74
Paleo Report Num: 4 of 4	Sample Range: 10320 - 12843	Water Depth: 988
Public Info Code: Y 06-JUL-2001	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report for sidetrack, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10320 / 8017	DEF AT first sample examined	DEF AT
10321 / 8017	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10322 / 8018	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10590 / 8166	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10920 / 8366	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11220 / 8577	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11640 / 8894	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12180 / 9331	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12540 / 9622	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
12630 / 9696	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12843 / 9873	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 157	<b>Date of Summary:</b> 17-JUN-1991	<b>First Sample Examined:</b> 2220
<b>Lease Number:</b> G11412	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7000
<b>API Well Number:</b> 608044015100	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2220 - 7000	<b>Water Depth:</b> 998
<b>Public Info Code:</b> Y 15-JUL-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2220 / 2220	DEF AT first sample examined	DEF IN 4
2580 / 2580	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
4289 / 4289	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4290 / 4290	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 5
4390 / 4390	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
4450 / 4450	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
4720 / 4720	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
5320 / 5320	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
5950 / 5950	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
7000 /	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EB 157	<b>Date of Summary:</b> 18-JUN-1991	<b>First Sample Examined:</b> 2220
<b>Lease Number:</b> G11412	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7000
<b>API Well Number:</b> 608044015100	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2220 - 7000	<b>Water Depth:</b> 998
<b>Public Info Code:</b> Y 15-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2220 / 2220	DEF AT first sample examined	DEF AT
2580 / 2580	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3660 / 3660	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4390 / 4390	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4570 / 4570	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
5410 / 5410	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7000 /	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 157	Date of Summary: 30-OCT-1991	First Sample Examined: 2330
Lease Number: G11412	Source of Paleo: OPERATOR	Borehole MD: 6313
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6313
API Well Number: 608044015200	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 2330 - 6350	Water Depth: 941
Public Info Code: Y 03-NOV-2001	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2330 / 2330	DEF AT first sample examined	DEF IN 4
2420 / 2420	DEF AT - - - - -	DEF AT 5
3320 / 3320	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
3500 / 3500	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4130 / 4130	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
4630 / 4630	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
5110 / 5109	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
6350 /	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 157	<b>Date of Summary:</b> 30-OCT-1991	<b>First Sample Examined:</b> 2240
<b>Lease Number:</b> G11412	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6313
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6313
<b>API Well Number:</b> 608044015200	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2240 - 6350	<b>Water Depth:</b> 941
<b>Public Info Code:</b> Y 03-NOV-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2240 / 2240	DEF AT first sample examined	DEF AT
2241 / 2241	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3500 / 3500	DEF AT local marker floral increase	DEF AT
4129 / 4129	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
4130 / 4130	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4220 / 4220	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4600 / 4600	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
4990 / 4989	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6350 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 157	Date of Summary: 23-MAR-2006	First Sample Examined: 2200
Lease Number: G11412	Source of Paleo: OPERATOR	Borehole MD: 11724
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11656
API Well Number: 608044025100	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 2200 - 11724	Water Depth: 948
Public Info Code: Y 05-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 10420=Langhian Globigerinoides diminutus

MD / TVD	Paleo Top Description	Ecozone
2200 / 2200	DEF AT first sample examined	DEF IN 5
2380 / 2380	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
2470 / 2470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
2740 / 2740	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
2920 / 2920	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
2949 / 2949	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
2950 / 2950	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
3100 / 3100	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
4210 / 4210	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 5
4240 / 4240	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
4330 / 4330	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
4389 / 4389	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
4390 / 4390	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
4510 / 4510	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
4570 / 4570	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
4720 / 4720	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
4990 / 4990	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
5500 / 5500	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
5560 / 5560	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
5800 / 5797	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7089 / 7033	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
7090 / 7034	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 157	Date of Summary: 23-MAR-2006	First Sample Examined: 2200
Lease Number: G11412	Source of Paleo: OPERATOR	Borehole MD: 11724
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11656
API Well Number: 608044025100	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 2200 - 11724	Water Depth: 948
Public Info Code: Y 05-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7480 / 7415	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
7540 / 7474	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
7570 / 7504	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
7600 / 7534	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
7630 / 7563	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
7690 / 7623	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
7780 / 7713	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
7810 / 7743	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
7930 / 7863	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
7960 / 7893	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
7990 / 7923	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
8020 / 7953	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8078 / 8011	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
8350 / 8283	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
8410 / 8343	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
8650 / 8583	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
8680 / 8613	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 6
8739 / 8672	POS IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
8740 / 8673	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
8829 / 8762	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
8830 / 8763	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
9010 / 8943	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT 6
9129 / 9062	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus (increase)	DEF AT 6
9130 / 9063	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 157	Date of Summary: 23-MAR-2006	First Sample Examined: 2200
Lease Number: G11412	Source of Paleo: OPERATOR	Borehole MD: 11724
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11656
API Well Number: 608044025100	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 2200 - 11724	Water Depth: 948
Public Info Code: Y 05-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9219 / 9152	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
9220 / 9153	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
9250 / 9183	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
9460 / 9393	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
9580 / 9513	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
9609 / 9542	POS AT unconformity	DEF AT 6
9610 / 9543	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
9640 / 9573	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
9697 / 9630	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
9698 / 9631	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 6
9699 / 9632	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
9700 / 9633	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
9730 / 9663	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
10090 /10023	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
10150 /10083	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
10240 /10173	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
10390 /10323	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
10420 /10353	DEF AT local marker (general)	DEF AT 6
10630 /10563	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
10780 /10713	DEF IN Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 6
10840 /10773	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
10929 /10862	POS IN Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 6
10930 /10863	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
11020 /10953	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 157	<b>Date of Summary:</b> 23-MAR-2006	<b>First Sample Examined:</b> 2200
<b>Lease Number:</b> G11412	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11724
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11656
<b>API Well Number:</b> 608044025100	<b>Drilling Operator:</b> WOODSIDE ENERGY USA INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2200 - 11724	<b>Water Depth:</b> 948
<b>Public Info Code:</b> Y 05-APR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11140 /11073	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
11380 /11313	DEF IN Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6
11500 /11433	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 6
11723 /11656	DEF AT out-of-place section	DEF AT 6
11724 /11657	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 159	<b>Date of Summary:</b> 09-JUN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02645	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14033
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6390
<b>API Well Number:</b> 608044004102	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 113
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 924
<b>Public Info Code:</b> Y 21-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9473 / 4410	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
11761 / 5115	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 164	Date of Summary: 05-NOV-1997	First Sample Examined: 2080
Lease Number: G17232	Source of Paleo: OPERATOR	Borehole MD: 5240
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 4129
API Well Number: 608044016900	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 77
Paleo Report Num: 1 of 2	Sample Range: 2080 - 5230	Water Depth: 868
Public Info Code: Y 05-AUG-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2080 / 2080	DEF AT first sample examined	DEF AT 4
2170 / 2170	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3850 / 3642	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4210 / 3754	DEF AT local marker planktic foram increase	DEF AT 4
5230 / 4122	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 164	<b>Date of Summary:</b> 05-NOV-1997	<b>First Sample Examined:</b> 2080
<b>Lease Number:</b> G17232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 5240
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 4129
<b>API Well Number:</b> 608044016900	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 77
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2080 - 5230	<b>Water Depth:</b> 868
<b>Public Info Code:</b> Y 05-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2080 / 2080	DEF AT first sample examined	DEF AT
2240 / 2240	DEF AT local marker floral increase	DEF AT
2420 / 2418	DEF AT local marker floral decrease	DEF AT
2740 / 2724	DEF AT local marker floral increase	DEF AT
3040 / 3004	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3340 / 3272	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
3600 / 3488	DEF AT local marker floral increase	DEF AT
5230 / 4122	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 164	<b>Date of Summary:</b> 15-DEC-1997	<b>First Sample Examined:</b> 2900
<b>Lease Number:</b> G17232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6701
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 4967
<b>API Well Number:</b> 608044016901	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 77
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2900 - 6701	<b>Water Depth:</b> 868
<b>Public Info Code:</b> Y 05-AUG-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2080 / 2080	DEF AT first sample examined	DEF AT 4
3890 / 3619	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
6320 / 4744	DEF AT sample gap top	DEF AT 4
6470 / 4823	DEF AT sample gap bottom	DEF AT 4
6701 / 4952	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 164	<b>Date of Summary:</b> 15-DEC-1997	<b>First Sample Examined:</b> 2900
<b>Lease Number:</b> G17232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6701
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 4967
<b>API Well Number:</b> 608044016901	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 77
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2900 - 6701	<b>Water Depth:</b> 868
<b>Public Info Code:</b> Y 05-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2900 / 2875	DEF AT first sample examined	DEF AT
3350 / 3262	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5510 / 4346	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6320 / 4744	DEF AT sample gap top	DEF AT
6470 / 4823	DEF AT sample gap bottom	DEF AT
6701 / 4952	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 201	<b>Date of Summary:</b> 26-JAN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17236	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9734
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9727
<b>API Well Number:</b> 608044020101	<b>Drilling Operator:</b> WALTER OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1332
<b>Public Info Code:</b> Y 15-OCT-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6200 / 6199	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8790 / 8783	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9210 / 9203	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9510 / 9503	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 205	Date of Summary: 01-JUN-2001	First Sample Examined: 4620
Lease Number: G17237	Source of Paleo: OPERATOR	Borehole MD: 9785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9782
API Well Number: 608044021800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4620 - 9780	Water Depth: 1081
Public Info Code: Y 28-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report, 6410=Globorotalia triangula

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4620 / 4620	DEF AT first sample examined	DEF AT 4
5570 / 5570	DEF AT local marker foram increase	DEF AT 4
5780 / 5780	DEF AT sample gap top	POS AT 4
5839 / 5839	DEF AT sample gap bottom	DEF IN 4
5840 / 5840	POS AT condensed section	DEF IN 5
5841 / 5841	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
5842 / 5842	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6349 / 6349	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
6350 / 6350	POS AT local marker planktic foram increase	DEF IN 5
6410 / 6410	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6830 / 6830	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
7040 / 7040	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
7100 / 7100	DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
7130 / 7130	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 5
7310 / 7310	DEF AT local marker floral increase	DEF IN 5
7430 / 7430	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7550 / 7550	DEF AT faunal change (no faunal increase)	DEF AT 4
7670 / 7670	DEF AT faunal change (no faunal increase)	DEF IN 5
7730 / 7730	DEF AT faunal change (no faunal increase)	DEF AT 4
8060 / 8060	DEF AT faunal change (no faunal increase)	DEF IN 5
8090 / 8090	DEF AT local marker foram increase	DEF IN 5
8150 / 8150	DEF AT faunal change (no faunal increase)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 205	<b>Date of Summary:</b> 01-JUN-2001	<b>First Sample Examined:</b> 4620
<b>Lease Number:</b> G17237	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9785
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9782
<b>API Well Number:</b> 608044021800	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4620 - 9780	<b>Water Depth:</b> 1081
<b>Public Info Code:</b> Y 28-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8630 / 8630	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
8689 / 8689	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
8690 / 8690	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 5
8720 / 8720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
8810 / 8810	DEF AT local marker foram increase	DEF IN 5
9020 / 9020	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9140 / 9140	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
9440 / 9440	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
9470 / 9470	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9710 / 9710	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9780 / 9780	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 205	Date of Summary: 02-JAN-2002	First Sample Examined: 4620
Lease Number: G17237	Source of Paleo: OPERATOR	Borehole MD: 9785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9782
API Well Number: 608044021800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 4620 - 9780	Water Depth: 1081
Public Info Code: Y 28-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, paleobathymetry ranges from middle to upper bathyal in the stratigraphic section analyzed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4620 / 4620	DEF AT first sample examined	DEF AT 4
5839 / 5839	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
5840 / 5840	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6349 / 6349	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
6350 / 6350	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
6830 / 6830	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
7100 / 7100	DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
7430 / 7430	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8690 / 8690	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
8720 / 8720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9140 / 9140	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
9470 / 9470	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9780 / 9780	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 250	Date of Summary: 30-JAN-1998	First Sample Examined: 2450
Lease Number: G17242	Source of Paleo: OPERATOR	Borehole MD: 11990
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 11390
API Well Number: 608044017100	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 2450 - 11990	Water Depth: 1074
Public Info Code: Y 31-JAN-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Consultant-integrated foram and nanno report, 11310=Praeorbulina circularis, 11370-11990=reworked Cretaceous calcareous nannofossils, 11550=Praeorbulina transitoria

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2450 / 2450	DEF AT first sample examined	DEF AT 4
2451 / 2451	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 4
2630 / 2630	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
4070 / 4069	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
4159 / 4158	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
4160 / 4159	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
4520 / 4519	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF IN 5
4880 / 4879	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
4970 / 4969	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
5330 / 5329	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
5420 / 5419	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 5
6050 / 6049	DEF AT faunal change (no faunal increase)	DEF AT 5
6410 / 6409	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 6
6500 / 6499	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
6590 / 6589	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
7110 / 7109	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
7350 / 7349	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
7830 / 7829	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
7950 / 7949	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 6
8070 / 8069	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8190 / 8188	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 250	<b>Date of Summary:</b> 30-JAN-1998	<b>First Sample Examined:</b> 2450
<b>Lease Number:</b> G17242	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11990
<b>Well Name:</b> 001	<b>Paleo Done By:</b> MICRO-STRAT	<b>Borehole TVD:</b> 11390
<b>API Well Number:</b> 608044017100	<b>Drilling Operator:</b> EOG RESOURCES INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2450 - 11990	<b>Water Depth:</b> 1074
<b>Public Info Code:</b> Y 31-JAN-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8310 / 8307	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
8370 / 8367	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
8429 / 8425	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
8430 / 8426	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
8730 / 8719	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
8850 / 8835	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
9210 / 9177	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
9330 / 9288	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 6
9390 / 9343	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
9450 / 9398	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
9750 / 9662	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT 6
9870 / 9762	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
9930 / 9811	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
10050 / 9905	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
10230 /10042	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
10320 /10110	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
10528 /10268	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
10529 /10269	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
10530 /10270	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
10650 /10361	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
10770 /10453	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 6
10890 /10545	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
11070 /10683	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
11190 /10775	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 250	<b>Date of Summary:</b> 30-JAN-1998	<b>First Sample Examined:</b> 2450
<b>Lease Number:</b> G17242	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11990
<b>Well Name:</b> 001	<b>Paleo Done By:</b> MICRO-STRAT	<b>Borehole TVD:</b> 11390
<b>API Well Number:</b> 608044017100	<b>Drilling Operator:</b> EOG RESOURCES INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2450 - 11990	<b>Water Depth:</b> 1074
<b>Public Info Code:</b> Y 31-JAN-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11250 /10820	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11310 /10866	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
11370 /10912	DEF AT reworked material	DEF AT 6
11550 /11050	DEF AT local marker planktic foram increase	DEF AT 6
11670 /11143	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
11990 /11391	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 301	<b>Date of Summary:</b> 11-DEC-1997	<b>First Sample Examined:</b> 3270
<b>Lease Number:</b> G17248	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15580
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15576
<b>API Well Number:</b> 608044017000	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3270 - 15580	<b>Water Depth:</b> 1945
<b>Public Info Code:</b> Y 31-DEC-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Conga Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3270 / 3270	DEF AT first sample examined	DEF AT
6010 / 6008	DEF AT local marker floral increase	DEF AT
6190 / 6188	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6610 / 6608	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9690 / 9687	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10350 /10347	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10950 /10947	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11070 /11067	DEF AT local marker floral increase	DEF AT
11190 /11187	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12570 /12567	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12630 /12627	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12750 /12747	DEF AT reworked material	DEF AT
14310 /14306	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14370 /14366	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14430 /14426	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15210 /15206	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15390 /15386	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15510 /15506	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
15580 /15576	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 301	Date of Summary: 04-FEB-1998	First Sample Examined: 3270
Lease Number: G17248	Source of Paleo: OPERATOR	Borehole MD: 15580
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15576
API Well Number: 608044017000	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 3270 - 15580	Water Depth: 1945
Public Info Code: Y 31-DEC-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Conga Prospect

MD / TVD	Paleo Top Description	Ecozone
3270 / 3270	DEF AT first sample examined	DEF IN 5
3271 / 3271	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
3300 / 3300	DEF AT -----	DEF AT 4
3450 / 3450	DEF AT local marker planktic foram increase	DEF IN 4
3480 / 3480	DEF AT -----	DEF AT 4
3960 / 3960	DEF AT local marker planktic foram increase	DEF IN 4
4050 / 4049	DEF AT -----	DEF IN 5
4080 / 4079	DEF AT local marker foram increase	DEF IN 4
4260 / 4259	DEF AT local marker foram increase	DEF IN 5
4500 / 4499	DEF AT sand	DEF IN 4
4530 / 4529	DEF AT local marker foram decrease	DEF IN 3
5970 / 5968	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 3
6000 / 5998	DEF AT -----	DEF AT 4
6060 / 6058	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6120 / 6118	DEF AT local marker benthic foram increase	DEF AT 4
6150 / 6148	DEF AT -----	DEF IN 4
6240 / 6238	DEF AT -----	DEF AT 4
6480 / 6478	DEF AT -----	DEF IN 4
6510 / 6508	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "A")	DEF IN 4
6690 / 6688	DEF AT -----	DEF AT 4
6930 / 6928	DEF AT local marker foram increase	DEF AT 4
7260 / 7258	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 301  
Lease Number: G17248  
Well Name: 001  
API Well Number: 608044017000  
Paleo Report Num: 2 of 2  
Public Info Code: Y 31-DEC-2004

Date of Summary: 04-FEB-1998  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 3270 - 15580  
Ecozone Eq MMS: Y

First Sample Examined: 3270  
Borehole MD: 15580  
Borehole TVD: 15576  
Rkb Elevation: 80  
Water Depth: 1945  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7620 / 7618	DEF AT -----	DEF AT 4
7980 / 7978	DEF AT -----	DEF IN 3
8070 / 8068	DEF AT sand	DEF IN 3
9130 / 9127	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9240 / 9237	DEF AT -----	DEF IN 3
9480 / 9477	DEF AT -----	DEF AT 4
9600 / 9597	DEF AT -----	DEF IN 3
9840 / 9837	DEF AT sand	DEF AT 3
10350 /10347	DEF AT -----	DEF IN 3
10380 /10377	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10560 /10557	DEF AT -----	DEF IN 3
10821 /10818	DEF AT sand	DEF AT 3
10920 /10917	POS AT sand	DEF AT 3
10980 /10977	DEF AT -----	DEF IN 3
11160 /11157	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
11250 /11247	DEF AT pyrite	DEF AT 4
11340 /11337	DEF AT -----	DEF IN 3
11370 /11367	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
11400 /11397	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
11520 /11517	DEF AT -----	DEF IN 3
11580 /11577	DEF AT -----	DEF AT 3
11730 /11727	DEF AT -----	DEF IN 2
11760 /11757	DEF AT pyrite	DEF IN 2
11880 /11877	DEF AT local marker benthic foram increase	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 301	<b>Date of Summary:</b> 04-FEB-1998	<b>First Sample Examined:</b> 3270
<b>Lease Number:</b> G17248	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15580
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15576
<b>API Well Number:</b> 608044017000	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3270 - 15580	<b>Water Depth:</b> 1945
<b>Public Info Code:</b> Y 31-DEC-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11940 /11937	DEF AT sand	DEF AT 3
11970 /11967	DEF AT -----	DEF IN 2
12390 /12387	POS AT reworked material	DEF IN 2
12420 /12417	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 3
12540 /12537	DEF AT local marker foram increase	DEF AT 4
12630 /12627	DEF AT -----	DEF IN 4
12660 /12657	DEF AT foram flood	DEF IN 4
12900 /12897	DEF AT sand	DEF AT 4
13110 /13107	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
13199 /13196	DEF AT foram flood	DEF AT 4
13200 /13197	DEF AT local marker foram increase	DEF AT 4
13230 /13227	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
13320 /13317	DEF AT sand	DEF IN 3
13560 /13557	DEF AT -----	DEF AT 4
14130 /14126	DEF AT local marker benthic foram increase	DEF AT 4
14250 /14246	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 4
14370 /14366	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
14460 /14456	DEF AT local marker foram increase	DEF AT 4
14490 /14486	DEF AT local marker foram increase	DEF AT 4
14550 /14546	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
14700 /14696	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14730 /14726	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
14940 /14936	DEF AT -----	DEF IN 4
14970 /14966	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 301	<b>Date of Summary:</b> 04-FEB-1998	<b>First Sample Examined:</b> 3270
<b>Lease Number:</b> G17248	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15580
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15576
<b>API Well Number:</b> 608044017000	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3270 - 15580	<b>Water Depth:</b> 1945
<b>Public Info Code:</b> Y 31-DEC-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15089 /15085	DEF AT pyrite	DEF IN 4
15090 /15086	POS AT local marker foram increase	DEF IN 4
15270 /15266	DEF AT - - - - -	DEF AT 4
15330 /15326	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 4
15420 /15416	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
15550 /15546	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
15580 /15576	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 335	Date of Summary: 04-AUG-1997	First Sample Examined: 3000
Lease Number: G17251	Source of Paleo: OPERATOR	Borehole MD: 7011
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7011
API Well Number: 608044016700	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 3000 - 7014	Water Depth: 1544
Public Info Code: Y 25-OCT-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3000 / 3000	DEF AT first sample examined	POS IN 5
3001 / 3001	DEF AT cement	POS IN 5
3690 / 3690	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
4259 / 4259	DEF AT anhydrite	DEF IN 5
4260 / 4260	DEF AT salt	DEF IN 5
4289 / 4289	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
4290 / 4290	DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF IN 5
6060 / 6060	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6090 / 6090	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
6208 / 6208	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
6209 / 6209	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
6210 / 6210	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
6240 / 6240	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6450 / 6450	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
6510 / 6510	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6600 / 6600	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
6810 / 6810	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
6930 / 6930	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
7014 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 369	Date of Summary: 24-JUL-2007	First Sample Examined: 4811
Lease Number: G25621	Source of Paleo: OPERATOR	Borehole MD: 9710
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9709
API Well Number: 608044025600	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 4811 - 9690	Water Depth: 2525
Public Info Code: Y 17-MAR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4811 / 4811	DEF AT first sample examined	DEF IN 5
4812 / 4812	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
4813 / 4813	DEF IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
5130 / 5130	DEF AT - - - - -	DEF AT 5
5430 / 5430	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6240 / 6240	DEF AT - - - - -	DEF IN 5
6269 / 6269	POS AT out-of-place section	DEF IN 5
6270 / 6270	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
6290 / 6290	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
6360 / 6360	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
6480 / 6480	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6690 / 6690	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
6720 / 6720	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
6780 / 6780	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
6810 / 6810	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
6840 / 6840	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
6930 / 6930	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
6989 / 6989	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6990 / 6990	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
7020 / 7020	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
7109 / 7109	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
7110 / 7110	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 369	<b>Date of Summary:</b> 24-JUL-2007	<b>First Sample Examined:</b> 4811
<b>Lease Number:</b> G25621	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9710
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9709
<b>API Well Number:</b> 608044025600	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4811 - 9690	<b>Water Depth:</b> 2525
<b>Public Info Code:</b> Y 17-MAR-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7140 / 7140	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
7170 / 7170	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
7350 / 7350	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
7500 / 7500	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
7590 / 7590	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
7650 / 7650	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
7680 / 7680	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
7830 / 7830	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
7860 / 7860	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
7980 / 7980	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
8070 / 8070	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 6
8190 / 8190	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
8400 / 8400	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
8520 / 8520	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
8670 / 8669	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 6
8730 / 8729	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
8909 / 8908	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
8910 / 8909	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
9030 / 9029	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
9090 / 9089	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
9210 / 9209	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
9293 / 9292	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
9294 / 9293	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
9330 / 9329	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 369	<b>Date of Summary:</b> 24-JUL-2007	<b>First Sample Examined:</b> 4811
<b>Lease Number:</b> G25621	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9710
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9709
<b>API Well Number:</b> 608044025600	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4811 - 9690	<b>Water Depth:</b> 2525
<b>Public Info Code:</b> Y 17-MAR-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9360 / 9359	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
9690 / 9689	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 421	Date of Summary: 08-MAR-2001	First Sample Examined: 4570
Lease Number: G17255	Source of Paleo: OPERATOR	Borehole MD: 7770
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7770
API Well Number: 608044020000	Drilling Operator: SAMEBAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 4570 - 7770	Water Depth: 2740
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4570 / 4570	DEF AT first sample examined	DEF AT 4
5500 / 5500	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5650 / 5650	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5709 / 5709	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5710 / 5710	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5740 / 5740	DEF AT - - - - -	DEF AT 5
5890 / 5890	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5978 / 5978	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
5979 / 5979	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
5980 / 5980	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
6250 / 6250	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6340 / 6340	DEF AT local marker foram decrease	DEF AT 5
7389 / 7389	DEF AT local marker planktic foram increase	DEF AT 5
7390 / 7390	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
7770 / 7770	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 421	Date of Summary: 08-MAR-2001	First Sample Examined: 4570
Lease Number: G17255	Source of Paleo: OPERATOR	Borehole MD: 7770
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7770
API Well Number: 608044020000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 4570 - 7770	Water Depth: 2740
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4570 / 4570	DEF AT first sample examined	DEF AT
4571 / 4571	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5709 / 5709	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5710 / 5710	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5890 / 5890	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5980 / 5980	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6100 / 6100	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6310 / 6310	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7390 / 7390	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7770 / 7770	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 424	Date of Summary: 22-JUN-2007	First Sample Examined: 9140
Lease Number: G26599	Source of Paleo: OPERATOR	Borehole MD: 12232
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11301
API Well Number: 608044025700	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 9140 - 12230	Water Depth: 2767
Public Info Code: Y 18-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9140 / 8543	DEF AT first sample examined	DEF AT 5
9560 / 8894	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5
9710 / 9020	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
10580 / 9763	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
10790 / 9953	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 5
10820 / 9981	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
11150 /10283	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
11810 /10898	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12080 /11156	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12230 /11299	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 424	Date of Summary: 19-JUL-2007	First Sample Examined: 7950
Lease Number: G26599	Source of Paleo: OPERATOR	Borehole MD: 11409
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11281
API Well Number: 608044025800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 7950 - 11400	Water Depth: 2767
Public Info Code: Y 18-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7950 / 7849	DEF AT first sample examined	DEF AT 4
8160 / 8052	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
9450 / 9327	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
9720 / 9597	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9839 / 9716	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
9840 / 9717	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9870 / 9747	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10110 / 9986	DEF AT - - - - -	DEF IN 5
10230 /10106	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
10260 /10136	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10290 /10166	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
10349 /10225	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10350 /10226	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
10380 /10256	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
10470 /10346	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10590 /10466	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
10680 /10556	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF IN 5
10770 /10646	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
10890 /10766	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
11040 /10915	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
11130 /11004	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
11160 /11034	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 424	Date of Summary: 19-JUL-2007	First Sample Examined: 7950
Lease Number: G26599	Source of Paleo: OPERATOR	Borehole MD: 11409
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11281
API Well Number: 608044025800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 7950 - 11400	Water Depth: 2767
Public Info Code: Y 18-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11272	DEF AT last sample examined	DEF IN 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 430	Date of Summary: 07-JUN-2000	First Sample Examined: 0
Lease Number: G19001	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8900
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 8900
API Well Number: 608044019200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2285
Public Info Code: Y 02-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4430 / 4430	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4610 / 4610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5960 / 5960	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6230 / 6230	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6380 / 6380	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6560 / 6560	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6920 / 6920	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7340 / 7340	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7730 / 7730	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8090 / 8090	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8240 / 8240	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8810 / 8810	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 465	<b>Date of Summary:</b> 06-JUN-2001	<b>First Sample Examined:</b> 5160
<b>Lease Number:</b> G17259	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6818
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6467
<b>API Well Number:</b> 608044020900	<b>Drilling Operator:</b> SAMEBAN OIL CORPORATION	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5160 - 6780	<b>Water Depth:</b> 2800
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5160 / 5121	DEF AT first sample examined	DEF AT 5
5310 / 5255	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5460 / 5385	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5820 / 5679	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5880 / 5727	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6030 / 5847	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
6150 / 5943	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
6450 / 6179	DEF AT faunal change (no faunal increase)	DEF AT 5
6720 / 6390	DEF AT local marker planktic foram increase	DEF AT 5
6780 / 6437	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 465	<b>Date of Summary:</b> 09-JUL-2001	<b>First Sample Examined:</b> 5160
<b>Lease Number:</b> G17259	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6818
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6467
<b>API Well Number:</b> 608044020900	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5160 - 6780	<b>Water Depth:</b> 2800
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5160 / 5121	DEF AT first sample examined	DEF AT
5820 / 5679	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5880 / 5727	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6060 / 5872	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6210 / 5991	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6360 / 6109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6780 / 6437	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 465	<b>Date of Summary:</b> 06-JUN-2001	<b>First Sample Examined:</b> 5184
<b>Lease Number:</b> G17259	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7638
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7098
<b>API Well Number:</b> 608044020901	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5184 - 7638	<b>Water Depth:</b> 2722
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5184 / 5143	DEF AT first sample examined	DEF AT 5
5340 / 5283	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5790 / 5658	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5850 / 5705	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5910 / 5752	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6150 / 5941	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6210 / 5988	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
6240 / 6012	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
6390 / 6132	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
6930 / 6556	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7638 / 7098	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 465	<b>Date of Summary:</b> 06-JUN-2001	<b>First Sample Examined:</b> 5184
<b>Lease Number:</b> G17259	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7638
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7098
<b>API Well Number:</b> 608044020901	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5184 - 7638	<b>Water Depth:</b> 2722
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5184 / 5143	DEF AT first sample examined	DEF AT
5820 / 5681	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6120 / 5917	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6150 / 5941	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6390 / 6132	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7638 / 7098	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 465	Date of Summary: 07-MAR-2008	First Sample Examined: 4800
Lease Number: G19006	Source of Paleo: OPERATOR	Borehole MD: 7800
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7800
API Well Number: 608044026000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 69
Paleo Report Num: 1 of 1	Sample Range: 4800 - 7800	Water Depth: 2777
Public Info Code: Y 10-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4800 / 4800	DEF AT first sample examined	POS AT 5
5008 / 5008	POS AT maximum flooding surface	DEF AT 5
5009 / 5009	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
5010 / 5010	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5489 / 5489	POS AT maximum flooding surface	DEF AT 5
5490 / 5490	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
5818 / 5818	POS AT maximum flooding surface	DEF IN 5
5819 / 5819	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
5820 / 5820	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5849 / 5849	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
5850 / 5850	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6060 / 6060	POS AT maximum flooding surface	DEF IN 5
6088 / 6088	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6089 / 6089	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
6090 / 6090	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
6180 / 6180	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
6330 / 6330	POS AT maximum flooding surface	DEF IN 5
6360 / 6360	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
6779 / 6779	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
6780 / 6780	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
7800 / 7800	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 494	Date of Summary: 04-SEP-2009	First Sample Examined: 5229
Lease Number: G26601	Source of Paleo: OPERATOR	Borehole MD: 8186
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8186
API Well Number: 608044026900	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5229 - 8186	Water Depth: 3256
Public Info Code: Y 17-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5299 / 5299	DEF AT first sample examined	DEF IN 5
5300 / 5300	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
5301 / 5301	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5390 / 5390	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
5419 / 5419	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
5420 / 5420	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5510 / 5510	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
5539 / 5539	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
5540 / 5540	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5750 / 5750	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
5810 / 5810	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
5870 / 5870	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
6140 / 6140	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
6290 / 6290	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
6350 / 6350	DEF AT sample gap top	POS AT 6
6410 / 6410	DEF AT sample gap bottom	DEF AT 6
6440 / 6440	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
6680 / 6680	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
6890 / 6890	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 6
6910 / 6910	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
7069 / 7069	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
7070 / 7070	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 494	<b>Date of Summary:</b> 04-SEP-2009	<b>First Sample Examined:</b> 5229
<b>Lease Number:</b> G26601	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8186
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8186
<b>API Well Number:</b> 608044026900	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5229 - 8186	<b>Water Depth:</b> 3256
<b>Public Info Code:</b> Y 17-FEB-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7280 / 7280	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
7310 / 7310	DEF AT local marker floral increase	DEF AT 6
7340 / 7340	POS AT maximum flooding surface	DEF AT 6
7370 / 7370	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
7400 / 7400	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 6
7579 / 7579	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
7580 / 7580	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
7609 / 7609	DEF AT unconformity	DEF AT 6
7610 / 7610	POS AT maximum flooding surface	DEF AT 6
7850 / 7850	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
7909 / 7909	DEF AT unconformity	DEF AT 6
7910 / 7910	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
7940 / 7940	POS AT maximum flooding surface	DEF AT 6
7970 / 7970	POS IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
8000 / 8000	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
8057 / 8057	POS AT maximum flooding surface	DEF AT 6
8058 / 8058	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
8059 / 8059	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
8060 / 8060	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
8090 / 8090	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
8186 / 8186	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 558	Date of Summary: 28-MAR-2001	First Sample Examined: 5470
Lease Number: G17266	Source of Paleo: OPERATOR	Borehole MD: 7026
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6980
API Well Number: 608044021200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5470 - 7000	Water Depth: 3531
Public Info Code: Y 09-MAR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5470 / 5470	DEF AT first sample examined	DEF AT 5
5471 / 5471	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5560 / 5560	DEF AT - - - - -	DEF IN 5
7000 / 6957	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 558	<b>Date of Summary:</b> 28-MAR-2001	<b>First Sample Examined:</b> 5470
<b>Lease Number:</b> G17266	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7026
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6980
<b>API Well Number:</b> 608044021200	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5470 - 7000	<b>Water Depth:</b> 3531
<b>Public Info Code:</b> Y 09-MAR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5470 / 5470	DEF AT first sample examined	DEF AT
5471 / 5471	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6160 / 6159	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7000 / 6957	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 558	<b>Date of Summary:</b> 28-MAR-2001	<b>First Sample Examined:</b> 5930
<b>Lease Number:</b> G17266	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15880
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13660
<b>API Well Number:</b> 608044021201	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5930 - 15880	<b>Water Depth:</b> 3541
<b>Public Info Code:</b> Y 20-MAR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5930 / 5930	DEF AT first sample examined	DEF IN 5
5931 / 5931	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
7330 / 7176	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 5
9730 / 8824	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 5
10060 / 9061	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12160 /10630	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13840 /11946	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
14950 /12885	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15880 /13660	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 558	<b>Date of Summary:</b> 28-MAR-2001	<b>First Sample Examined:</b> 6260
<b>Lease Number:</b> G17266	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15880
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13660
<b>API Well Number:</b> 608044021201	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6260 - 15880	<b>Water Depth:</b> 3541
<b>Public Info Code:</b> Y 20-MAR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6260 / 6256	DEF AT first sample examined	DEF AT
6261 / 6257	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7330 / 7176	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9130 / 8407	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9190 / 8449	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10000 / 9018	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10810 / 9598	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12400 /10817	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14110 /12167	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15040 /12961	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15880 /13660	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 558	Date of Summary: 06-JUL-2006	First Sample Examined: 8732
Lease Number: G17266	Source of Paleo: OPERATOR	Borehole MD: 12327
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11866
API Well Number: 608044025301	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8732 - 12327	Water Depth: 3524
Public Info Code: Y 20-MAR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8732 / 8685	DEF AT first sample examined	DEF IN 5
8733 / 8685	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8760 / 8710	POS IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
8880 / 8818	DEF AT - - - - -	DEF AT 5
10499 /10253	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
10500 /10254	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10590 /10333	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10740 /10464	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
11130 /10808	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
11250 /10914	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12210 /11764	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12327 /11866	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 578	<b>Date of Summary:</b> 17-MAR-2003	<b>First Sample Examined:</b> 6960
<b>Lease Number:</b> G23240	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9060
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9060
<b>API Well Number:</b> 608044022900	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6960 - 9060	<b>Water Depth:</b> 3271
<b>Public Info Code:</b> Y 26-JAN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6960 / 6960	DEF AT first sample examined	DEF IN 6
7560 / 7560	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 6
7890 / 7890	DEF AT faunal change (no faunal increase)	DEF AT 5
8250 / 8250	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
8760 / 8760	DEF AT faunal change (no faunal increase)	DEF IN 6
8790 / 8790	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 6
9060 / 9060	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 578	<b>Date of Summary:</b> 17-MAR-2003	<b>First Sample Examined:</b> 6960
<b>Lease Number:</b> G23240	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9060
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9060
<b>API Well Number:</b> 608044022900	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6960 - 9060	<b>Water Depth:</b> 3271
<b>Public Info Code:</b> Y 26-JAN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6960 / 6960	DEF AT first sample examined	DEF AT
6961 / 6961	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
7200 / 7200	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7560 / 7560	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7920 / 7920	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
8070 / 8070	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8370 / 8370	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8610 / 8610	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8958 / 8958	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9060 / 9060	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 579	<b>Date of Summary:</b> 31-MAY-2001	<b>First Sample Examined:</b> 4700
<b>Lease Number:</b> G19025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 5264
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 5264
<b>API Well Number:</b> 608044021100	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4700 - 5264	<b>Water Depth:</b> 3412
<b>Public Info Code:</b> Y 26-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT first sample examined	DEF AT
4730 / 4730	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4880 / 4880	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
4940 / 4940	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5150 / 5150	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5240 / 5240	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5364 /	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 579	<b>Date of Summary:</b> 31-MAY-2001	<b>First Sample Examined:</b> 4700
<b>Lease Number:</b> G19025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 5264
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 5264
<b>API Well Number:</b> 608044021100	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4700 - 5264	<b>Water Depth:</b> 3412
<b>Public Info Code:</b> Y 26-APR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT first sample examined	DEF IN 5
4701 / 4701	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
5000 / 5000	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5149 / 5149	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
5150 / 5150	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5264 / 5264	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 579	<b>Date of Summary:</b> 31-MAY-2001	<b>First Sample Examined:</b> 5270
<b>Lease Number:</b> G19025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8065
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8065
<b>API Well Number:</b> 608044021101	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5270 - 5390	<b>Water Depth:</b> 3412
<b>Public Info Code:</b> Y 30-APR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5270 / 5270	DEF AT first sample examined	DEF AT 6
5271 / 5271	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5330 / 5330	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
5390 / 5390	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
5570 / 5570	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
6020 / 6020	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 579	<b>Date of Summary:</b> 31-MAY-2001	<b>First Sample Examined:</b> 5270
<b>Lease Number:</b> G19025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8065
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8065
<b>API Well Number:</b> 608044021101	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5270 - 6020	<b>Water Depth:</b> 3412
<b>Public Info Code:</b> Y 30-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5270 / 5270	DEF AT first sample examined	DEF AT
5271 / 5271	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5300 / 5300	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
5420 / 5420	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
5690 / 5690	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
5900 / 5900	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6020 / 6020	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EB 579	<b>Date of Summary:</b> 31-MAY-2001	<b>First Sample Examined:</b> 5900
<b>Lease Number:</b> G19025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9060
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9059
<b>API Well Number:</b> 608044021102	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5900 - 9060	<b>Water Depth:</b> 3412
<b>Public Info Code:</b> Y 11-MAY-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5900	DEF AT first sample examined	DEF AT
6140 / 6139	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6200 / 6199	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
6380 / 6379	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
6680 / 6679	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
6770 / 6769	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
6920 / 6919	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7130 / 7129	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7370 / 7369	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
7550 / 7549	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
7610 / 7609	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
7880 / 7879	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
8210 / 8209	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
8450 / 8449	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8480 / 8479	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
9060 / 9059	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 579	<b>Date of Summary:</b> 31-MAY-2001	<b>First Sample Examined:</b> 5900
<b>Lease Number:</b> G19025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9060
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9059
<b>API Well Number:</b> 608044021102	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5900 - 9060	<b>Water Depth:</b> 3412
<b>Public Info Code:</b> Y 11-MAY-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5900	DEF AT first sample examined	DEF AT 6
6230 / 6229	DEF AT local marker planktic foram increase	DEF AT 6
6290 / 6289	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
6770 / 6769	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
7640 / 7639	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
7880 / 7879	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
8090 / 8089	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
8210 / 8209	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 6
8390 / 8389	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
8450 / 8449	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
9060 / 9059	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 579	<b>Date of Summary:</b> 12-NOV-2002	<b>First Sample Examined:</b> 5340
<b>Lease Number:</b> G19025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8747
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8431
<b>API Well Number:</b> 608044023500	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5340 - 8747	<b>Water Depth:</b> 3453
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5340	DEF AT first sample examined	DEF AT 6
5370 / 5370	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5460 / 5460	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6120 / 6117	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
6480 / 6463	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
6750 / 6707	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
7410 / 7273	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
7860 / 7661	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
7950 / 7738	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
8040 / 7816	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
8160 / 7920	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
8220 / 7972	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
8670 / 8364	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
8747 / 8431	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 579	Date of Summary: 14-NOV-2002	First Sample Examined: 5340
Lease Number: G19025	Source of Paleo: OPERATOR	Borehole MD: 8747
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8431
API Well Number: 608044023500	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 5340 - 8747	Water Depth: 3453
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5340	DEF AT first sample examined	DEF AT
5490 / 5490	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
5700 / 5700	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
5940 / 5939	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6120 / 6117	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
6480 / 6463	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
6690 / 6654	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
6870 / 6810	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
7120 / 7024	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7260 / 7144	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7410 / 7273	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
7680 / 7506	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
7890 / 7687	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
8010 / 7790	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
8520 / 8232	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
8670 / 8364	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8700 / 8390	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
8747 / 8431	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 579	Date of Summary: 01-JUN-2001	First Sample Examined: 9500
Lease Number: G19030	Source of Paleo: OPERATOR	Borehole MD: 10285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8622
API Well Number: 608044021103	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 9500 - 10285	Water Depth: 3412
Public Info Code: Y 22-MAY-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 8226	DEF AT first sample examined	DEF AT 6
9501 / 8226	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
9502 / 8227	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
9503 / 8227	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
9504 / 8228	DEF IN Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 6
9590 / 8272	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
9920 / 8437	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
10285 / 8622	DEF AT last sample examined	DEF AT 6



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 579	<b>Date of Summary:</b> 01-JUN-2001	<b>First Sample Examined:</b> 9500
<b>Lease Number:</b> G19030	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10285
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8622
<b>API Well Number:</b> 608044021103	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9500 - 10285	<b>Water Depth:</b> 3412
<b>Public Info Code:</b> Y 22-MAY-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 8226	DEF AT first sample examined	DEF AT
9501 / 8226	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10100 / 8527	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10220 / 8588	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10285 / 8622	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 579	Date of Summary: 25-NOV-2002	First Sample Examined: 5340
Lease Number: G19030	Source of Paleo: OPERATOR	Borehole MD: 8599
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8479
API Well Number: 608044023400	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 5340 - 8599	Water Depth: 3412
Public Info Code: Y 16-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5339	DEF AT first sample examined	DEF AT 6
5370 / 5369	DEF IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
5490 / 5489	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
6210 / 6202	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
6480 / 6466	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
6840 / 6813	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
7500 / 7437	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
7710 / 7635	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
7800 / 7720	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
7920 / 7834	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
7980 / 7891	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
8070 / 7976	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
8430 / 8319	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
8599 / 8479	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 579	Date of Summary: 25-NOV-2002	First Sample Examined: 5340
Lease Number: G19030	Source of Paleo: OPERATOR	Borehole MD: 8599
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8479
API Well Number: 608044023400	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 5340 - 8599	Water Depth: 3412
Public Info Code: Y 16-NOV-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5339	DEF AT first sample examined	DEF AT
5370 / 5369	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
5700 / 5697	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6000 / 5995	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6240 / 6231	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
6450 / 6437	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
6630 / 6612	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
6840 / 6813	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
7020 / 6984	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7230 / 7182	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7410 / 7352	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
7620 / 7550	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
7740 / 7664	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
7890 / 7806	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
8400 / 8290	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
8520 / 8404	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
8599 / 8479	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 597	<b>Date of Summary:</b> 31-JUL-2001	<b>First Sample Examined:</b> 7810
<b>Lease Number:</b> G22288	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9350
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9350
<b>API Well Number:</b> 608044022700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7810 - 9350	<b>Water Depth:</b> 3352
<b>Public Info Code:</b> Y 01-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7810 / 7810	DEF AT first sample examined	DEF IN 5
8050 / 8050	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8260 / 8260	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
9190 / 9190	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9350 / 9350	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 597	Date of Summary: 31-JUL-2001	First Sample Examined: 7810
Lease Number: G22288	Source of Paleo: OPERATOR	Borehole MD: 9350
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9350
API Well Number: 608044022700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7810 - 9350	Water Depth: 3352
Public Info Code: Y 01-AUG-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7810 / 7810	DEF AT first sample examined	DEF AT
7960 / 7960	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8020 / 8020	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8050 / 8050	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9190 / 9190	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9310 / 9310	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9350 / 9350	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 598	<b>Date of Summary:</b> 26-NOV-2003	<b>First Sample Examined:</b> 6649
<b>Lease Number:</b> G19027	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8242
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7897
<b>API Well Number:</b> 608044024200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6649 - 8230	<b>Water Depth:</b> 3212
<b>Public Info Code:</b> Y 28-NOV-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6649 / 6603	DEF AT first sample examined	DEF IN 5
6650 / 6604	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6910 / 6842	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
6940 / 6869	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
6970 / 6896	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
7120 / 7026	DEF AT local marker foram decrease	DEF AT 5
7150 / 7052	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
7240 / 7130	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7960 / 7693	POS IN Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
7990 / 7715	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
8230 / 7888	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 598	<b>Date of Summary:</b> 26-NOV-2003	<b>First Sample Examined:</b> 6649
<b>Lease Number:</b> G19027	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8242
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7897
<b>API Well Number:</b> 608044024200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6649 - 8230	<b>Water Depth:</b> 3212
<b>Public Info Code:</b> Y 28-NOV-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6649 / 6603	DEF AT first sample examined	DEF AT
6650 / 6604	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6880 / 6815	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7000 / 6922	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8050 / 7758	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8230 / 7888	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 598	<b>Date of Summary:</b> 26-NOV-2003	<b>First Sample Examined:</b> 7987
<b>Lease Number:</b> G19027	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8909
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8386
<b>API Well Number:</b> 608044024201	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7987 - 8770	<b>Water Depth:</b> 3212
<b>Public Info Code:</b> Y 03-DEC-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7987 / 7712	DEF AT first sample examined	DEF AT 5
8440 / 8042	DEF AT local marker benthic foram increase	DEF AT 5
8470 / 8064	DEF AT local marker foram decrease	DEF AT 5
8530 / 8109	DEF AT local marker benthic foram increase	DEF AT 5
8770 / 8285	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 598	<b>Date of Summary:</b> 26-NOV-2003	<b>First Sample Examined:</b> 7987
<b>Lease Number:</b> G19027	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8909
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8386
<b>API Well Number:</b> 608044024201	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7987 - 8770	<b>Water Depth:</b> 3212
<b>Public Info Code:</b> Y 03-DEC-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7987 / 7712	DEF AT first sample examined	DEF AT
8170 / 7846	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8530 / 8109	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8770 / 8285	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 598	<b>Date of Summary:</b> 26-NOV-2003	<b>First Sample Examined:</b> 8312
<b>Lease Number:</b> G19027	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9818
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9082
<b>API Well Number:</b> 608044024202	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8312 - 9818	<b>Water Depth:</b> 3212
<b>Public Info Code:</b> Y 10-DEC-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8312 / 7948	DEF AT first sample examined	DEF AT 5
9280 / 8665	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9790 / 9060	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9818 / 9082	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 598	<b>Date of Summary:</b> 26-NOV-2003	<b>First Sample Examined:</b> 8312
<b>Lease Number:</b> G19027	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9818
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9082
<b>API Well Number:</b> 608044024202	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8312 - 9818	<b>Water Depth:</b> 3212
<b>Public Info Code:</b> Y 10-DEC-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8312 / 7948	DEF AT first sample examined	DEF AT
8410 / 8019	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9160 / 8575	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9530 / 8855	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9670 / 8965	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9818 / 9082	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 599	Date of Summary: 14-MAY-2001	First Sample Examined: 4500
Lease Number: G19028	Source of Paleo: OPERATOR	Borehole MD: 11543
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10850
API Well Number: 608044020500	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 4500 - 11553	Water Depth: 3154
Public Info Code: Y 02-MAY-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4499	DEF AT first sample examined	DEF AT 5
4501 / 4500	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5460 / 5459	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
6630 / 6602	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6750 / 6715	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
6900 / 6857	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
7020 / 6969	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
7050 / 6996	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8370 / 8164	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9000 / 8692	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9090 / 8766	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9570 / 9158	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9660 / 9231	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9780 / 9330	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
9810 / 9355	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
9990 / 9505	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10080 / 9581	DEF AT local marker foram decrease	DEF IN 5
10409 / 9860	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
10410 / 9860	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 5
10440 / 9886	DEF AT local marker deep water fauna	DEF AT 6
10500 / 9938	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
10618 / 10039	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 599	<b>Date of Summary:</b> 14-MAY-2001	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G19028	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11543
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10850
<b>API Well Number:</b> 608044020500	<b>Drilling Operator:</b> BURLINGTON RESOURCES OFFSHORE INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4500 - 11553	<b>Water Depth:</b> 3154
<b>Public Info Code:</b> Y 02-MAY-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10619 /10040	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
10620 /10041	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 6
10800 /10197	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11010 /10379	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 6
11039 /10405	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
11040 /10406	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
11219 /10563	DEF AT anhydrite	DEF AT 6
11220 /10563	DEF AT reworked material	DEF AT 6
11250 /10590	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
11430 /10749	POS IN Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 6
11553 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 599	Date of Summary: 14-MAY-2001	First Sample Examined: 4500
Lease Number: G19028	Source of Paleo: OPERATOR	Borehole MD: 11543
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10850
API Well Number: 608044020500	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 4500 - 11533	Water Depth: 3154
Public Info Code: Y 02-MAY-2011	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, Calcidiscus macintyreii LAD may be as high as 6690, Discoaster tamalis reoccurs at 8460, 8490, and 8670, with a significant reoccurrence AT 9090, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4500 / 4499	DEF AT first sample examined	DEF AT
4501 / 4500	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6300 / 6286	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6630 / 6602	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6750 / 6715	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6870 / 6828	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6960 / 6913	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7020 / 6969	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8100 / 7930	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8430 / 8215	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9090 / 8766	DEF AT local marker floral increase	DEF AT
9505 / 9105	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9540 / 9133	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9570 / 9158	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9600 / 9182	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9720 / 9281	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9870 / 9405	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
9990 / 9505	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10050 / 9556	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10170 / 9656	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10260 / 9733	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 599	<b>Date of Summary:</b> 14-MAY-2001	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G19028	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11543
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10850
<b>API Well Number:</b> 608044020500	<b>Drilling Operator:</b> BURLINGTON RESOURCES OFFSHORE INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4500 - 11533	<b>Water Depth:</b> 3154
<b>Public Info Code:</b> Y 02-MAY-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10350 / 9809	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10410 / 9860	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10470 / 9912	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10530 / 9963	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10650 /10067	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10740 /10145	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10800 /10197	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11100 /10458	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11430 /10749	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
11533 /10841	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 22-OCT-1999	First Sample Examined: 6720
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 11990
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11989
API Well Number: 608044018400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 6720 - 11989	Water Depth: 3680
Public Info Code: Y 25-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Nansen Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6720 / 6720	DEF AT first sample examined	DEF IN 5
6840 / 6840	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8760 / 8760	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8940 / 8940	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
9030 / 9030	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9360 / 9360	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9540 / 9540	DEF AT local marker deep water fauna	DEF IN 5
9600 / 9600	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
9660 / 9660	POS AT local marker foram decrease	DEF AT 5
10229 /10229	DEF AT reworked material	DEF AT 5
10230 /10230	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11520 /11520	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11729 /11729	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
11730 /11730	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11989 /11988	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 26-OCT-1999	First Sample Examined: 6720
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 11990
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11989
API Well Number: 608044018400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 6720 - 11989	Water Depth: 3680
Public Info Code: Y 25-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Nansen Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6720 / 6720	DEF AT first sample examined	DEF AT
6721 / 6721	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8938 / 8938	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8939 / 8939	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8940 / 8940	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9480 / 9480	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9600 / 9600	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10200 /10200	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
11190 /11190	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11520 /11520	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11760 /11760	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11989 /11988	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 13-SEP-2000	First Sample Examined: 14310
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 16907
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13175
API Well Number: 608044019700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 14310 - 16907	Water Depth: 3678
Public Info Code: Y 01-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14310 /11559	DEF AT first sample examined	DEF AT 5
14580 /11739	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
15570 /12359	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15660 /12415	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
15780 /12488	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16110 /12693	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
16907 /13175	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 13-SEP-2000	<b>First Sample Examined:</b> 14310
<b>Lease Number:</b> G14205	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16907
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13175
<b>API Well Number:</b> 608044019700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14310 - 16907	<b>Water Depth:</b> 3678
<b>Public Info Code:</b> Y 01-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14310 /11559	DEF AT first sample examined	DEF AT
14311 /11559	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14640 /11778	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15570 /12359	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16890 /13165	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16907 /13175	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 17-JAN-2000	First Sample Examined: 5110
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13539
API Well Number: 608044018801	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 5110 - 14050	Water Depth: 3674
Public Info Code: Y 23-JAN-2010	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5110 / 5110	DEF AT first sample examined	DEF AT
5140 / 5140	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6340 / 6277	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7060 / 6887	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9669 / 9280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9670 / 9281	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10120 / 9719	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10930 /10508	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11680 /11239	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
13240 /12754	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14020 /13510	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14050 /13539	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 17-JAN-2000	First Sample Examined: 5110
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13539
API Well Number: 608044018801	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 5110 - 14050	Water Depth: 3674
Public Info Code: Y 23-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5110 / 5110	DEF AT first sample examined	DEF IN 5
5140 / 5140	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
5230 / 5230	DEF AT faunal change (no faunal increase)	DEF AT 5
6490 / 6405	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6850 / 6710	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7210 / 7014	DEF AT local marker deep water fauna	DEF IN 5
7420 / 7192	DEF AT faunal change (no faunal increase)	DEF AT 5
10150 / 9748	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10780 /10362	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11710 /11268	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13270 /12783	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
13930 /13423	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
13960 /13452	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14050 /13539	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 03-DEC-1999	First Sample Examined: 9840
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 12400
Well Name: A009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10938
API Well Number: 608044018701	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 9840 - 12400	Water Depth: 3678
Public Info Code: Y 17-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Nansen Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9840 / 8773	DEF AT first sample examined	DEF AT 5
9841 / 8773	DEF IN Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 5
9960 / 8862	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia crassula</i> (acme)	DEF AT 5
10380 / 9183	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 5
11190 / 9867	DEF AT Upper Pliocene (Piacenzian) <i>Ceratobulimina pacifica</i>	DEF AT 5
11369 /10024	DEF AT Upper Pliocene (Piacenzian) <i>Globorotalia multicamerata</i>	DEF AT 5
11370 /10025	DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 5
11698 /10314	DEF AT Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF AT 5
11699 /10315	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 5
11700 /10316	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / nepenthes "B"	DEF AT 5
11900 /10493	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 6
11940 /10529	DEF AT Lower Pliocene (Zanclian) <i>Sphaeroidinellopsis multiloba</i>	DEF AT 6
12300 /10849	POS AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF AT 6
12360 /10902	POS AT Upper Miocene (Messinian) <i>Globorotalia margaritae primitiva</i>	DEF AT 6
12400 /10938	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 03-DEC-1999	First Sample Examined: 9840
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 12400
Well Name: A009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10938
API Well Number: 608044018701	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 9840 - 12400	Water Depth: 3678
Public Info Code: Y 17-DEC-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Nansen Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9840 / 8773	DEF AT first sample examined	DEF AT
9900 / 8817	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10050 / 8929	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10830 / 9552	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11190 / 9867	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11370 /10025	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11700 /10316	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11701 /10317	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11760 /10369	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12330 /10875	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
12360 /10902	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
12390 /10929	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12400 /10938	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 31-MAR-2000	<b>First Sample Examined:</b> 8000
<b>Lease Number:</b> G14205	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12031
<b>Well Name:</b> SS004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12028
<b>API Well Number:</b> 608044019000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8000 - 12030	<b>Water Depth:</b> 3678
<b>Public Info Code:</b> Y 19-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Nansen Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 8000	DEF AT first sample examined	DEF AT 5
8089 / 8089	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8090 / 8090	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9140 / 9140	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9800 / 9800	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9830 / 9830	DEF AT foram flood	DEF IN 5
9950 / 9949	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10040 /10039	DEF AT local marker foram decrease	DEF AT 5
11630 /11628	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11660 /11658	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12030 /12027	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 8000
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 12031
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12028
API Well Number: 608044019000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8000 - 12030	Water Depth: 3678
Public Info Code: Y 19-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Nansen Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 8000	DEF AT first sample examined	DEF AT
8090 / 8090	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8900 / 8900	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9140 / 9140	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9590 / 9590	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9860 / 9860	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
9950 / 9949	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11630 /11628	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11690 /11688	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12020 /12017	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12030 /12027	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 11870
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 15410
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15382
API Well Number: 608044019001	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11870 - 15410	Water Depth: 3644
Public Info Code: Y 05-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Nansen Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11870 /11866	DEF AT first sample examined	DEF AT
11930 /11925	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12050 /12044	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13460 /13449	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13490 /13479	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13491 /13480	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13940 /13927	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14030 /14017	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14120 /14106	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14360 /14345	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14390 /14375	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14450 /14434	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14510 /14494	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14630 /14613	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14720 /14702	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14721 /14703	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14840 /14821	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
14900 /14880	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
14930 /14910	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14931 /14911	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14932 /14912	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14990 /14969	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 31-MAR-2000	<b>First Sample Examined:</b> 11870
<b>Lease Number:</b> G14205	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15410
<b>Well Name:</b> SS004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15382
<b>API Well Number:</b> 608044019001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11870 - 15410	<b>Water Depth:</b> 3644
<b>Public Info Code:</b> Y 05-APR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14991 /14970	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
15410 /15382	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 11870
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 15410
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15382
API Well Number: 608044019001	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11870 - 15410	Water Depth: 3644
Public Info Code: Y 05-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Nansen Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11870 /11866	DEF AT first sample examined	DEF AT 5
12050 /12044	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12140 /12134	POS AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 5
12230 /12223	DEF AT faunal change (no faunal increase)	DEF AT 5
12529 /12521	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
12530 /12522	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12830 /12821	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13640 /13629	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13938 /13925	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
13939 /13926	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
13940 /13927	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13970 /13957	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
14180 /14166	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
14240 /14226	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
14660 /14642	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
14810 /14791	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
14870 /14850	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
14897 /14877	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
14898 /14878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
14899 /14879	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
14900 /14880	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF IN 5
14929 /14909	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 31-MAR-2000	<b>First Sample Examined:</b> 11870
<b>Lease Number:</b> G14205	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15410
<b>Well Name:</b> SS004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15382
<b>API Well Number:</b> 608044019001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11870 - 15410	<b>Water Depth:</b> 3644
<b>Public Info Code:</b> Y 05-APR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14930 /14910	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
15410 /15382	DEF AT last sample examined	DEF IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 23-JAN-2006	First Sample Examined: 6710
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 11936
Well Name: SS010	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11108
API Well Number: 608044024900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 6710 - 11930	Water Depth: 3503
Public Info Code: Y 25-JAN-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Nansen Prospect, consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6615	DEF AT first sample examined	DEF IN 5
6711 / 6616	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
6740 / 6640	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
6770 / 6665	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7760 / 7383	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
7789 / 7403	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
7790 / 7404	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8359 / 7795	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
8360 / 7796	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8390 / 7816	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8480 / 7878	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
9200 / 8450	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9230 / 8475	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF IN 5
9560 / 8765	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 5
10038 / 9216	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
10039 / 9217	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
10040 / 9218	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
10070 / 9247	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10340 / 9513	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10790 / 9962	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
10880 /10052	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11389 /10561	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 23-JAN-2006	<b>First Sample Examined:</b> 6710
<b>Lease Number:</b> G14205	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11936
<b>Well Name:</b> SS010	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11108
<b>API Well Number:</b> 608044024900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6710 - 11930	<b>Water Depth:</b> 3503
<b>Public Info Code:</b> Y 25-JAN-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11390 /10562	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11448 /10620	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
11449 /10621	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
11450 /10622	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
11539 /10711	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF IN 5
11540 /10712	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
11630 /10802	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
11690 /10862	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
11778 /10950	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
11779 /10951	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
11780 /10952	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
11809 /10981	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF IN 5
11810 /10982	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
11870 /11042	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
11930 /11102	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 06-MAR-2006	<b>First Sample Examined:</b> 6872
<b>Lease Number:</b> G14205	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11592
<b>Well Name:</b> SS011	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10799
<b>API Well Number:</b> 608044025000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6872 - 11593	<b>Water Depth:</b> 3507
<b>Public Info Code:</b> Y 02-MAR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Nansen Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6872 / 6747	DEF AT first sample examined	DEF IN 5
6873 / 6748	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
7400 / 7144	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
7609 / 7302	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
7610 / 7302	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7669 / 7346	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
7670 / 7347	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8390 / 7895	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8420 / 7920	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
8540 / 8017	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
8570 / 8042	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8959 / 8378	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8960 / 8379	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 5
9440 / 8820	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
10249 / 9565	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
10250 / 9566	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
10340 / 9648	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
10460 / 9758	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11358 /10583	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
11359 /10584	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
11360 /10585	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 06-MAR-2006	<b>First Sample Examined:</b> 6872
<b>Lease Number:</b> G14205	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11592
<b>Well Name:</b> SS011	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10799
<b>API Well Number:</b> 608044025000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6872 - 11593	<b>Water Depth:</b> 3507
<b>Public Info Code:</b> Y 02-MAR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11390 /10613	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11592 /10799	DEF AT last sample examined	DEF IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 14-JUN-2006	First Sample Examined: 6970
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 9994
Well Name: SS012	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9700
API Well Number: 608044025201	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 6970 - 9994	Water Depth: 3503
Public Info Code: Y 16-MAY-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Nansen Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6970 / 6891	DEF AT first sample examined	DEF IN 4
7060 / 6969	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
7240 / 7126	DEF AT local marker deep water fauna	DEF IN 5
7450 / 7308	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
7539 / 7386	POS AT maximum flooding surface	DEF IN 5
7540 / 7387	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
7569 / 7412	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7570 / 7413	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
7720 / 7543	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8140 / 7906	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8230 / 7984	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
8320 / 8063	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
8350 / 8090	DEF AT local marker deep water fauna	DEF IN 5
8400 / 8135	POS AT maximum flooding surface	DEF IN 5
8439 / 8171	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
8440 / 8172	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8590 / 8313	DEF AT faunal change (no faunal increase)	DEF AT 5
9220 / 8928	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
9279 / 8986	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
9280 / 8987	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
9310 / 9017	POS AT maximum flooding surface	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 14-JUN-2006	<b>First Sample Examined:</b> 6970
<b>Lease Number:</b> G14205	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9994
<b>Well Name:</b> SS012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9700
<b>API Well Number:</b> 608044025201	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6970 - 9994	<b>Water Depth:</b> 3503
<b>Public Info Code:</b> Y 16-MAY-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9540 / 9247	POS AT maximum flooding surface	DEF IN 5
9848 / 9554	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
9849 / 9555	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9850 / 9556	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9994 / 9700	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 13-SEP-2000	<b>First Sample Examined:</b> 12900
<b>Lease Number:</b> G20725	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17250
<b>Well Name:</b> A006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14259
<b>API Well Number:</b> 608044019600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12900 - 17250	<b>Water Depth:</b> 3680
<b>Public Info Code:</b> Y 28-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /10539	DEF AT first sample examined	DEF AT 5
12901 /10540	DEF IN Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 5
13620 /11141	POS AT Upper Pliocene (Gelasian) <i>Globorotalia crassula (acme)</i>	DEF AT 5
15209 /12504	POS AT Upper Pliocene (Gelasian) <i>Globorotalia pertenuis</i>	DEF AT 5
15210 /12505	POS AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 5
16530 /13640	POS AT Upper Pliocene (Piacenzian) <i>Ceratobulimina pacifica</i>	DEF AT 5
16800 /13871	DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 5
17250 /14259	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 23-OCT-2000	<b>First Sample Examined:</b> 12900
<b>Lease Number:</b> G20725	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17250
<b>Well Name:</b> A006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14259
<b>API Well Number:</b> 608044019600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12900 - 17250	<b>Water Depth:</b> 3680
<b>Public Info Code:</b> Y 28-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /10539	DEF AT first sample examined	DEF AT
13440 /10988	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13620 /11141	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16140 /13306	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16560 /13665	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16800 /13871	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17149 /14172	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17150 /14172	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17220 /14233	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17250 /14259	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 20-OCT-2000	First Sample Examined: 13500
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 15516
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13870
API Well Number: 608044019601	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 13500 - 15515	Water Depth: 3680
Public Info Code: Y 05-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13500 /12231	DEF AT first sample examined	DEF AT 5
13501 /12232	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13800 /12499	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
13950 /12631	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14130 /12786	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14309 /12937	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
14310 /12938	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14580 /13153	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
14610 /13177	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
14640 /13200	DEF AT local marker foram decrease	DEF AT 5
14850 /13363	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
14879 /13385	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
14880 /13386	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
14970 /13454	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
15120 /13567	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
15180 /13613	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
15450 /13819	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
15515 /13869	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 20-OCT-2000	First Sample Examined: 13500
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 15516
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13870
API Well Number: 608044019601	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13500 - 15515	Water Depth: 3680
Public Info Code: Y 05-OCT-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /12231	DEF AT first sample examined	DEF AT
13501 /12232	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13530 /12259	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13710 /12420	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14010 /12683	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14310 /12938	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14790 /13316	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14850 /13363	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14940 /13432	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15150 /13590	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15240 /13658	POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15515 /13869	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 05-DEC-2000	<b>First Sample Examined:</b> 10200
<b>Lease Number:</b> G20725	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12736
<b>Well Name:</b> A008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10099
<b>API Well Number:</b> 608044019402	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10200 - 12756	<b>Water Depth:</b> 3669
<b>Public Info Code:</b> Y 25-NOV-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10200 / 8742	DEF AT first sample examined	DEF AT 5
10469 / 8881	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10470 / 8882	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11100 / 9220	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11130 / 9237	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11190 / 9271	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
11280 / 9322	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11580 / 9487	DEF AT local marker foram decrease	DEF AT 5
12420 / 9928	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12720 / 10090	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12756 /	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 602	Date of Summary: 05-DEC-2000	First Sample Examined: 10200
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 12736
Well Name: A008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10099
API Well Number: 608044019402	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 10200 - 12736	Water Depth: 3669
Public Info Code: Y 25-NOV-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10200 / 8742	DEF AT first sample examined	DEF AT
10470 / 8882	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10860 / 9090	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12329 / 9880	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12330 / 9881	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12450 / 9945	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12756 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 05-DEC-2000	<b>First Sample Examined:</b> 11610
<b>Lease Number:</b> G20725	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15685
<b>Well Name:</b> A008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11699
<b>API Well Number:</b> 608044019403	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11610 - 15685	<b>Water Depth:</b> 3669
<b>Public Info Code:</b> Y 16-DEC-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11610 / 9504	DEF AT first sample examined	DEF AT 5
11880 / 9650	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14130 /10765	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14610 /10994	DEF AT - - - - -	DEF IN 5
14850 /11107	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15685 /11699	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 602	<b>Date of Summary:</b> 05-DEC-2000	<b>First Sample Examined:</b> 11610
<b>Lease Number:</b> G20725	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15685
<b>Well Name:</b> A008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11699
<b>API Well Number:</b> 608044019403	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11610 - 15685	<b>Water Depth:</b> 3669
<b>Public Info Code:</b> Y 16-DEC-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11610 / 9504	DEF AT first sample examined	DEF AT
14100 /10751	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14850 /11107	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15685 /11699	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 623	Date of Summary: 22-SEP-2003	First Sample Examined: 6600
Lease Number: G19030	Source of Paleo: OPERATOR	Borehole MD: 8819
Well Name: SS003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8819
API Well Number: 608044023900	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6600 - 8819	Water Depth: 3561
Public Info Code: Y 03-SEP-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 6600	DEF AT first sample examined	DEF AT 6
6839 / 6839	POS AT maximum flooding surface	DEF AT 6
6840 / 6840	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
7140 / 7140	POS AT maximum flooding surface	DEF AT 6
7200 / 7200	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
7210 / 7210	POS AT maximum flooding surface	DEF AT 6
7320 / 7320	POS AT maximum flooding surface	DEF AT 6
7560 / 7560	POS AT maximum flooding surface	DEF IN 5
7770 / 7770	DEF AT - - - - -	DEF AT 6
7829 / 7829	POS AT maximum flooding surface	DEF AT 6
7830 / 7830	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
7950 / 7950	POS AT maximum flooding surface	DEF AT 6
8010 / 8010	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
8070 / 8070	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
8130 / 8130	POS AT maximum flooding surface	DEF AT 6
8160 / 8160	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
8190 / 8190	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
8290 / 8290	DEF AT maximum flooding surface	DEF AT 6
8340 / 8340	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
8520 / 8520	POS AT maximum flooding surface	DEF AT 6
8670 / 8670	POS AT maximum flooding surface	DEF AT 6
8730 / 8730	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 623	<b>Date of Summary:</b> 22-SEP-2003	<b>First Sample Examined:</b> 6600
<b>Lease Number:</b> G19030	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8819
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8819
<b>API Well Number:</b> 608044023900	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6600 - 8819	<b>Water Depth:</b> 3561
<b>Public Info Code:</b> Y 03-SEP-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

MD / TVD

Paleo Top Description

Ecozone

8819 / 8819

DEF AT last sample examined

DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 623	<b>Date of Summary:</b> 22-SEP-2003	<b>First Sample Examined:</b> 6600
<b>Lease Number:</b> G19030	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8819
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8819
<b>API Well Number:</b> 608044023900	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6600 - 8819	<b>Water Depth:</b> 3561
<b>Public Info Code:</b> Y 03-SEP-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 6600	DEF AT first sample examined	DEF AT
6601 / 6601	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
6840 / 6840	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
6870 / 6870	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
6990 / 6990	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7200 / 7200	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
7320 / 7320	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7380 / 7380	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7470 / 7470	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7560 / 7560	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
7830 / 7830	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
7950 / 7950	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
8070 / 8070	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
8130 / 8130	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
8490 / 8490	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
8670 / 8670	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8700 / 8700	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
8819 / 8819	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 624	Date of Summary: 25-FEB-2003	First Sample Examined: 6030
Lease Number: G19031	Source of Paleo: OPERATOR	Borehole MD: 7637
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7332
API Well Number: 608044022200	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6030 - 7637	Water Depth: 3540
Public Info Code: Y 30-SEP-2007	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6025	DEF AT first sample examined	DEF AT
6031 / 6026	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
6090 / 6084	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
6210 / 6199	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
6270 / 6256	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
6390 / 6368	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
6450 / 6423	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
6570 / 6531	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
6750 / 6683	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
7020 / 6890	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
7050 / 6912	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
7230 / 7040	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
7260 / 7062	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
7380 / 7148	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
7637 / 7332	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 624	Date of Summary: 26-FEB-2003	First Sample Examined: 6030
Lease Number: G19031	Source of Paleo: OPERATOR	Borehole MD: 7637
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7332
API Well Number: 608044022200	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 6030 - 7637	Water Depth: 3540
Public Info Code: Y 30-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6025	DEF AT first sample examined	DEF AT 6
6031 / 6026	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
6210 / 6199	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
6450 / 6423	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
6630 / 6583	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
7109 / 6954	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
7110 / 6955	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
7140 / 6976	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
7170 / 6998	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 6
7230 / 7040	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
7380 / 7148	DEF AT -----	DEF AT 5
7440 / 7191	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
7637 / 7332	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EB 639	<b>Date of Summary:</b> 17-DEC-2002	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G19032	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11166
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9411
<b>API Well Number:</b> 608044023701	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7000 - 11166	<b>Water Depth:</b> 3917
<b>Public Info Code:</b> Y 23-DEC-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6876	DEF AT first sample examined	DEF AT 5
7001 / 6876	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7030 / 6897	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
7059 / 6917	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 5
7060 / 6918	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7360 / 7104	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
7450 / 7154	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7990 / 7452	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8080 / 7502	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8260 / 7602	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8380 / 7670	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8770 / 7899	DEF AT local marker planktic foram increase	DEF AT 5
9220 / 8171	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10030 / 8686	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10510 / 8995	DEF AT local marker deep water fauna	DEF IN 5
10539 / 9013	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 5
10540 / 9014	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 5
10629 / 9071	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10630 / 9072	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10900 / 9242	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11166 / 9410	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 639	<b>Date of Summary:</b> 17-DEC-2002	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G19032	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11166
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9411
<b>API Well Number:</b> 608044023701	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7000 - 11166	<b>Water Depth:</b> 3917
<b>Public Info Code:</b> Y 23-DEC-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6876	DEF AT first sample examined	DEF AT
7001 / 6876	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7060 / 6918	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8230 / 7585	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8560 / 7774	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9250 / 8189	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
9850 / 8569	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10540 / 9014	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11166 / 9410	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 639	<b>Date of Summary:</b> 02-JAN-2003	<b>First Sample Examined:</b> 7780
<b>Lease Number:</b> G19033	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9443
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8742
<b>API Well Number:</b> 608044023700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7780 - 9460	<b>Water Depth:</b> 3917
<b>Public Info Code:</b> Y 23-DEC-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7780 / 7512	DEF AT first sample examined	DEF IN 5
7810 / 7534	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7990 / 7668	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8200 / 7823	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8230 / 7845	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8380 / 7955	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8620 / 8131	DEF AT faunal change (no faunal increase)	DEF AT 5
9220 / 8576	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9340 / 8665	DEF AT local marker deep water fauna	DEF IN 5
9460 /	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 639	<b>Date of Summary:</b> 02-JAN-2003	<b>First Sample Examined:</b> 7780
<b>Lease Number:</b> G19033	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9443
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8742
<b>API Well Number:</b> 608044023700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7780 - 9460	<b>Water Depth:</b> 3917
<b>Public Info Code:</b> Y 23-DEC-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7780 / 7512	DEF AT first sample examined	DEF AT
8200 / 7823	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8410 / 7977	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9160 / 8531	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9460 /	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 642	<b>Date of Summary:</b> 13-JAN-2000	<b>First Sample Examined:</b> 5300
<b>Lease Number:</b> G09183	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11800
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11799
<b>API Well Number:</b> 608044018600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5300 - 11800	<b>Water Depth:</b> 3678
<b>Public Info Code:</b> Y 30-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5300 / 5300	DEF AT first sample examined	DEF AT 4
7310 / 7310	DEF AT local marker foram increase	DEF AT 4
7430 / 7430	DEF AT local marker planktic foram increase	DEF AT 5
7850 / 7850	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8000 / 8000	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8120 / 8120	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8300 / 8300	DEF AT faunal change (no faunal increase)	DEF AT 5
8450 / 8450	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
8630 / 8630	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9050 / 9050	DEF AT local marker planktic foram increase	DEF AT 5
9530 / 9530	DEF AT pyrite	DEF AT 5
9710 / 9710	DEF AT local marker planktic foram increase	DEF AT 5
9740 / 9740	DEF AT local marker foram decrease	DEF AT 5
10160 /10160	DEF AT local marker planktic foram increase	DEF AT 5
10190 /10190	DEF AT local marker foram decrease	DEF AT 5
10220 /10220	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10310 /10310	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
10400 /10400	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10879 /10878	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
10880 /10879	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
11030 /11029	DEF AT local marker deep water fauna	DEF IN 5
11450 /11449	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 642	<b>Date of Summary:</b> 13-JAN-2000	<b>First Sample Examined:</b> 5300
<b>Lease Number:</b> G09183	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11800
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11799
<b>API Well Number:</b> 608044018600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5300 - 11800	<b>Water Depth:</b> 3678
<b>Public Info Code:</b> Y 30-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11480 /11479	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF IN 5
11510 /11509	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / nepenthes "B"	DEF IN 5
11569 /11568	DEF AT pyrite	DEF IN 5
11570 /11569	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF IN 5
11600 /11599	DEF AT Lower Pliocene (Zanclian) <i>Siphotextularia jugosa</i> / "J"	DEF IN 5
11660 /11659	DEF AT Lower Pliocene (Zanclian) <i>Sphaeroidinellopsis multiloba</i>	DEF IN 5
11800 /11799	DEF AT last sample examined	DEF IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 642	<b>Date of Summary:</b> 13-JAN-2000	<b>First Sample Examined:</b> 5300
<b>Lease Number:</b> G09183	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11800
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11799
<b>API Well Number:</b> 608044018600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5300 - 11800	<b>Water Depth:</b> 3678
<b>Public Info Code:</b> Y 30-NOV-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5300 / 5300	DEF AT first sample examined	DEF AT
6320 / 6320	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7310 / 7310	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7370 / 7370	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7850 / 7850	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
8000 / 8000	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8240 / 8240	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
8900 / 8900	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10220 /10220	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10400 /10400	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11420 /11419	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11450 /11449	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11630 /11629	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11690 /11689	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11720 /11719	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11780 /11779	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11800 /11799	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 642	Date of Summary: 13-JAN-1998	First Sample Examined: 5594
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 11642
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11028
API Well Number: 608044016800	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5594 - 11620	Water Depth: 3668
Public Info Code: Y 18-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
5594 / 5594	DEF AT first sample examined	DEF AT 4
5595 / 5595	POS IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 4
7030 / 7030	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
7690 / 7690	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8020 / 8020	DEF AT local marker foram decrease	DEF IN 5
8200 / 8200	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8350 / 8350	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8500 / 8500	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 5
8920 / 8920	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9220 / 9217	DEF AT faunal change (no faunal increase)	DEF AT 5
10270 /10170	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11590 /11002	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
11620 /11017	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 642	Date of Summary: 13-JAN-1998	First Sample Examined: 5594
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 11642
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11028
API Well Number: 608044016800	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 5594 - 11620	Water Depth: 3668
Public Info Code: Y 18-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5594 / 5594	DEF AT first sample examined	DEF AT
5595 / 5595	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7690 / 7690	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7720 / 7720	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8350 / 8350	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
8410 / 8410	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10270 /10170	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10810 /10564	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11470 /10942	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11620 /11017	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 642	<b>Date of Summary:</b> 13-JAN-1998	<b>First Sample Examined:</b> 10220
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12312
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11025
<b>API Well Number:</b> 608044016803	<b>Drilling Operator:</b> READING & BATES DEVELOPMENT CO	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10220 - 12320	<b>Water Depth:</b> 3668
<b>Public Info Code:</b> Y 12-JAN-2008	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10220 / 9594	DEF AT first sample examined	DEF AT
10221 / 9595	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10520 / 9802	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11630 /10547	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12139 /10901	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12140 /10902	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12260 /10988	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12320 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 642	<b>Date of Summary:</b> 13-JAN-1998	<b>First Sample Examined:</b> 10220
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12312
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11025
<b>API Well Number:</b> 608044016803	<b>Drilling Operator:</b> READING & BATES DEVELOPMENT CO	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10220 - 12320	<b>Water Depth:</b> 3668
<b>Public Info Code:</b> Y 12-JAN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10220 / 9594	DEF AT first sample examined	DEF AT 5
10221 / 9595	DEF AT poor sample interval top	DEF AT 5
11150 /10224	DEF AT poor sample interval bottom	DEF AT 5
11840 /10692	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12230 /10966	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12320 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 642	Date of Summary: 04-NOV-2003	First Sample Examined: 8380
Lease Number: G20729	Source of Paleo: OPERATOR	Borehole MD: 14591
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12259
API Well Number: 608044024000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8380 - 14590	Water Depth: 3635
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8380 / 7501	DEF AT first sample examined	DEF AT 5
8381 / 7502	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8920 / 7839	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9430 / 8147	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
9580 / 8237	DEF AT -----	DEF IN 5
10180 / 8595	DEF AT -----	DEF AT 5
10540 / 8817	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10630 / 8874	DEF AT -----	DEF IN 5
10750 / 8950	DEF AT -----	DEF AT 5
12610 /10441	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12970 /10766	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13270 /11041	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14080 /11788	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14500 /12173	DEF AT -----	DEF IN 5
14590 /12256	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 642	<b>Date of Summary:</b> 04-NOV-2003	<b>First Sample Examined:</b> 8380
<b>Lease Number:</b> G20729	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14591
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12259
<b>API Well Number:</b> 608044024000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8380 - 14590	<b>Water Depth:</b> 3635
<b>Public Info Code:</b> Y 30-SEP-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8380 / 7501	DEF AT first sample examined	DEF AT
8381 / 7502	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8830 / 7782	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9640 / 8273	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10540 / 8817	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12196 /10077	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12910 /10711	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13150 /10931	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14050 /11760	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14560 /12228	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14590 /12256	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 04-APR-2001	<b>First Sample Examined:</b> 8100
<b>Lease Number:</b> G09183	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12441
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9585
<b>API Well Number:</b> 608044020800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8100 - 12420	<b>Water Depth:</b> 3450
<b>Public Info Code:</b> Y 06-MAR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8100 / 7213	DEF AT first sample examined	DEF AT 5
8101 / 7214	DEF IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
9990 / 8216	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11190 / 8849	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12180 / 9421	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12420 / 9571	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 04-APR-2001	<b>First Sample Examined:</b> 8100
<b>Lease Number:</b> G09183	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12441
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9585
<b>API Well Number:</b> 608044020800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8100 - 12420	<b>Water Depth:</b> 3450
<b>Public Info Code:</b> Y 06-MAR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8100 / 7213	DEF AT first sample examined	DEF AT
8101 / 7214	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9660 / 8043	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10890 / 8686	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12180 / 9421	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12420 / 9571	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 04-APR-2001	<b>First Sample Examined:</b> 9020
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11252
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10400
<b>API Well Number:</b> 608044020700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9020 - 11252	<b>Water Depth:</b> 3450
<b>Public Info Code:</b> Y 05-APR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9020 / 8354	DEF AT first sample examined	DEF AT 5
9680 / 8927	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9710 / 8954	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9919 / 9144	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9920 / 9145	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10340 / 9534	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10610 / 9787	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10670 / 9844	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
10850 /10015	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10879 /10042	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
10880 /10043	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
10939 /10100	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10940 /10101	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
11090 /10244	DEF AT local marker benthic foram increase	DEF IN 5
11252 /10400	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 04-APR-2001	<b>First Sample Examined:</b> 9020
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11252
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10400
<b>API Well Number:</b> 608044020700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9020 - 11252	<b>Water Depth:</b> 3450
<b>Public Info Code:</b> Y 05-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9020 / 8354	DEF AT first sample examined	DEF AT
9140 / 8454	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9650 / 8900	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9830 / 9063	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10670 / 9844	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10671 / 9845	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10672 / 9846	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10730 / 9901	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10790 / 9958	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10850 /10015	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10970 /10129	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11030 /10187	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11090 /10244	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11149 /10301	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
11150 /10302	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11252 /10400	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 15-OCT-1999	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9478
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9475
<b>API Well Number:</b> 608044018200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6000 - 9478	<b>Water Depth:</b> 3453
<b>Public Info Code:</b> Y 15-OCT-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5997	DEF AT first sample examined	DEF AT 4
6840 / 6837	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7260 / 7257	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
7440 / 7437	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
8010 / 8007	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8790 / 8787	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9150 / 9147	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9478 / 9475	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 643	Date of Summary: 27-OCT-1999	First Sample Examined: 6000
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 9478
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9475
API Well Number: 608044018200	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6000 - 9478	Water Depth: 3453
Public Info Code: Y 15-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5997	DEF AT first sample examined	DEF AT
6030 / 6027	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6840 / 6837	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7260 / 7257	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7320 / 7317	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8040 / 8037	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
8310 / 8307	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8760 / 8757	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8820 / 8817	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
9150 / 9147	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9478 / 9475	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 03-MAY-2001	<b>First Sample Examined:</b> 8830
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12910
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10649
<b>API Well Number:</b> 608044020600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8830 - 12910	<b>Water Depth:</b> 3457
<b>Public Info Code:</b> Y 26-APR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8830 / 8085	DEF AT first sample examined	DEF IN 5
9040 / 8213	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10960 / 9416	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
12310 /10266	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12910 /10649	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 07-MAY-2001	<b>First Sample Examined:</b> 8830
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12910
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10649
<b>API Well Number:</b> 608044020600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8830 - 12910	<b>Water Depth:</b> 3457
<b>Public Info Code:</b> Y 26-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8830 / 8085	DEF AT first sample examined	DEF AT
8831 / 8085	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9370 / 8418	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11140 / 9532	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11440 / 9720	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12910 /10649	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 643	Date of Summary: 13-JAN-2000	First Sample Examined: 6000
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 8044
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7604
API Well Number: 608044018900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 6000 - 7980	Water Depth: 3450
Public Info Code: Y 16-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5958	DEF AT first sample examined	DEF AT 4
7230 / 6954	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7260 / 6978	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7350 / 7050	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7380 / 7074	DEF AT local marker foram decrease	DEF AT 5
7470 / 7146	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7680 / 7314	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
7770 / 7385	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
7980 / 7553	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 13-JAN-2000	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8044
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7604
<b>API Well Number:</b> 608044018900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6000 - 7980	<b>Water Depth:</b> 3450
<b>Public Info Code:</b> Y 16-DEC-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5958	DEF AT first sample examined	DEF AT
6780 / 6592	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7260 / 6978	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7320 / 7026	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7800 / 7409	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7860 / 7457	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7980 / 7553	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 643	Date of Summary: 13-JAN-2000	First Sample Examined: 7890
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 11591
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10483
API Well Number: 608044018901	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 7890 - 11580	Water Depth: 3453
Public Info Code: Y 01-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7890 / 7479	DEF AT first sample examined	DEF IN 5
7920 / 7503	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8339 / 7843	DEF AT pyrite	DEF AT 5
8340 / 7843	DEF AT local marker deep water fauna	DEF AT 5
9089 / 8452	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9090 / 8453	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10260 / 9399	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10680 / 9742	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11220 /10183	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
11310 /10256	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11340 /10280	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11580 /10474	DEF AT last sample examined	DEF IN 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 643	<b>Date of Summary:</b> 13-JAN-2000	<b>First Sample Examined:</b> 7890
<b>Lease Number:</b> G09184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11591
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10483
<b>API Well Number:</b> 608044018901	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7890 - 11580	<b>Water Depth:</b> 3453
<b>Public Info Code:</b> Y 01-FEB-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7890 / 7479	DEF AT first sample examined	DEF AT
8070 / 7624	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8940 / 8331	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10260 / 9399	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10710 / 9766	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11310 /10256	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11400 /10328	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11490 /10401	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11580 /10474	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 646	<b>Date of Summary:</b> 19-APR-2002	<b>First Sample Examined:</b> 11590
<b>Lease Number:</b> G20725	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12860
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11856
<b>API Well Number:</b> 608044023200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11590 - 12850	<b>Water Depth:</b> 3905
<b>Public Info Code:</b> Y 01-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11590 /10899	DEF AT first sample examined	DEF AT 5
11620 /10922	DEF IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11680 /10968	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11740 /11013	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
11860 /11104	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
11920 /11149	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12340 /11464	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12700 /11734	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
12850 /11848	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 646	<b>Date of Summary:</b> 19-APR-2002	<b>First Sample Examined:</b> 11590
<b>Lease Number:</b> G20725	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12860
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11856
<b>API Well Number:</b> 608044023200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11590 - 12860	<b>Water Depth:</b> 3905
<b>Public Info Code:</b> Y 01-APR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11590 /10899	DEF AT first sample examined	DEF AT
11591 /10900	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11680 /10968	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11740 /11013	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11830 /11081	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12860 /11856	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 646	<b>Date of Summary:</b> 05-MAR-2002	<b>First Sample Examined:</b> 7900
<b>Lease Number:</b> G22295	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12740
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11310
<b>API Well Number:</b> 608044023100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7900 - 12740	<b>Water Depth:</b> 3901
<b>Public Info Code:</b> Y 08-MAR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7900 / 7522	DEF AT first sample examined	DEF AT 5
10000 / 9066	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10060 / 9117	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
10150 / 9193	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
10209 / 9243	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
10210 / 9244	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
12430 / 11054	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12740 / 11310	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 646	<b>Date of Summary:</b> 05-MAR-2002	<b>First Sample Examined:</b> 7900
<b>Lease Number:</b> G22295	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12740
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11310
<b>API Well Number:</b> 608044023100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7900 - 12740	<b>Water Depth:</b> 3901
<b>Public Info Code:</b> Y 08-MAR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7900 / 7522	DEF AT first sample examined	DEF AT
9519 / 8662	POS AT out-of-place section	DEF AT
9520 / 8663	DEF AT local marker floral increase	DEF AT
10060 / 9117	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10150 / 9193	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10240 / 9269	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11740 /10524	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12430 /11054	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12610 /11201	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12740 /11310	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 668	Date of Summary: 30-SEP-2003	First Sample Examined: 5610
Lease Number: G23243	Source of Paleo: OPERATOR	Borehole MD: 9400
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9375
API Well Number: 608044024100	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 5610 - 9400	Water Depth: 3710
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5610 / 5609	DEF AT first sample examined	DEF AT 5
5730 / 5729	DEF AT - - - - -	DEF IN 5
5850 / 5849	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5910 / 5909	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6150 / 6149	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
6270 / 6269	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6870 / 6869	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
7380 / 7379	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
7770 / 7769	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
8340 / 8338	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
8640 / 8637	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
8670 / 8667	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
9120 / 9105	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
9210 / 9192	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
9400 / 9375	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 668	Date of Summary: 30-SEP-2003	First Sample Examined: 5610
Lease Number: G23243	Source of Paleo: OPERATOR	Borehole MD: 9400
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9375
API Well Number: 608044024100	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 5610 - 9400	Water Depth: 3710
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5610 / 5609	DEF AT first sample examined	DEF AT
5611 / 5610	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
5820 / 5819	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5850 / 5849	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
5940 / 5939	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6030 / 6029	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6150 / 6149	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
6360 / 6359	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6660 / 6659	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6810 / 6809	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6870 / 6869	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7230 / 7229	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
7470 / 7469	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7770 / 7769	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7800 / 7799	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
7980 / 7979	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8100 / 8099	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8190 / 8189	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8370 / 8368	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
8610 / 8607	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
9120 / 9105	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
9150 / 9134	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 668	<b>Date of Summary:</b> 30-SEP-2003	<b>First Sample Examined:</b> 5610
<b>Lease Number:</b> G23243	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9400
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9375
<b>API Well Number:</b> 608044024100	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5610 - 9400	<b>Water Depth:</b> 3710
<b>Public Info Code:</b> Y 19-JAN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9240 / 9221	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
9400 / 9375	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 686	Date of Summary: 30-MAR-2001	First Sample Examined: 0
Lease Number: G20729	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12107
API Well Number: 608044021000	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 4050
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6400 / 6399	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
8900 / 8898	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "B")	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 688	<b>Date of Summary:</b> 22-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09191	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10350
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9684
<b>API Well Number:</b> 608044016401	<b>Drilling Operator:</b> READING & BATES DEVELOPMENT CO	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 3752
<b>Public Info Code:</b> Y 02-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8873 / 8477	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9370 / 8873	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 688	Date of Summary: 04-JUN-1998	First Sample Examined: 5610
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10183
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10183
API Well Number: 608044017400	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5610 - 10110	Water Depth: 3751
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5610 / 5610	DEF AT first sample examined	POS AT 5
5611 / 5611	DEF IN cement	POS AT 5
5850 / 5850	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5910 / 5910	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8520 / 8520	DEF AT faunal change (no faunal increase)	DEF IN 5
8550 / 8550	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8610 / 8610	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8760 / 8760	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
8940 / 8940	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9150 / 9150	DEF AT local marker foram decrease	DEF IN 5
10110 /10110	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 688	<b>Date of Summary:</b> 09-JUN-1998	<b>First Sample Examined:</b> 5610
<b>Lease Number:</b> G09191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10183
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10183
<b>API Well Number:</b> 608044017400	<b>Drilling Operator:</b> READING & BATES DEVELOPMENT CO	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5610 - 10110	<b>Water Depth:</b> 3751
<b>Public Info Code:</b> Y 03-MAR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5610 / 5610	DEF AT first sample examined	DEF AT
5970 / 5970	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8400 / 8400	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8490 / 8490	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8910 / 8910	DEF AT local marker floral increase	DEF AT
10110 /10110	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 688	<b>Date of Summary:</b> 11-JUL-2001	<b>First Sample Examined:</b> 6800
<b>Lease Number:</b> G09191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10523
<b>Well Name:</b> 005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9570
<b>API Well Number:</b> 608044021900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6800 - 10523	<b>Water Depth:</b> 3589
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6800 / 6800	DEF AT first sample examined	DEF IN 5
7370 / 7366	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7730 / 7712	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9710 / 9108	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
10130 / 9343	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10523 / 9571	DEF AT last sample examined	DEF IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 688	Date of Summary: 11-JUL-2001	First Sample Examined: 6800
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10523
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9570
API Well Number: 608044021900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6800 - 10523	Water Depth: 3589
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6800 / 6800	DEF AT first sample examined	DEF AT
6801 / 6801	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7370 / 7366	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7430 / 7425	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8060 / 8008	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
9830 / 9175	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10070 / 9309	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10523 / 9571	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 688	<b>Date of Summary:</b> 13-JUN-2001	<b>First Sample Examined:</b> 7080
<b>Lease Number:</b> G09191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7791
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7610
<b>API Well Number:</b> 608044022100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7080 - 10230	<b>Water Depth:</b> 3788
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7080 / 7009	DEF AT first sample examined	DEF AT 4
8670 /	DEF AT -----	POS AT 5
8850 /	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8970 /	DEF AT -----	DEF IN 5
9150 /	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9570 /	DEF AT -----	DEF AT 5
10230 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 688	<b>Date of Summary:</b> 13-JUN-2001	<b>First Sample Examined:</b> 7080
<b>Lease Number:</b> G09191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7791
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7610
<b>API Well Number:</b> 608044022100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7080 - 10230	<b>Water Depth:</b> 3788
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7080 / 7009	DEF AT first sample examined	DEF AT
8280 /	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8700 /	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8850 /	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8940 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8970 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9330 /	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10230 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

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<b>Area Block:</b> EB 688	<b>Date of Summary:</b> 12-JUN-2001	<b>First Sample Examined:</b> 10260
<b>Lease Number:</b> G09191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10908
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10553
<b>API Well Number:</b> 608044022101	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10260 - 10920	<b>Water Depth:</b> 3788
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10260 / 9909	DEF AT first sample examined	DEF AT 5
10890 /10535	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10920 /	DEF AT last sample examined	DEF AT 5

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<b>Area Block:</b> EB 688	<b>Date of Summary:</b> 13-JUN-2001	<b>First Sample Examined:</b> 10230
<b>Lease Number:</b> G09191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10908
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10553
<b>API Well Number:</b> 608044022101	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10230 - 10920	<b>Water Depth:</b> 3788
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10230 / 9880	DEF AT first sample examined	DEF AT
10800 /10445	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10920 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 688	Date of Summary: 22-APR-2008	First Sample Examined: 7750
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10770
Well Name: SS006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9867
API Well Number: 608044022102	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7750 - 10780	Water Depth: 3788
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7750 / 7562	DEF AT first sample examined	DEF IN 4
8410 / 8108	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 4
8710 / 8331	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
8920 / 8478	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8978 / 8517	POS AT maximum flooding surface	DEF AT 5
8979 / 8518	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
8980 / 8519	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9127 / 8620	POS AT maximum flooding surface	DEF IN 5
9128 / 8621	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
9129 / 8621	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
9130 / 8622	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
9459 / 8848	POS AT unconformity	DEF IN 5
9460 / 8849	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9550 / 8910	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
10000 / 9232	DEF AT faunal change (no faunal increase)	DEF AT 5
10780 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 690	<b>Date of Summary:</b> 13-NOV-2001	<b>First Sample Examined:</b> 7880
<b>Lease Number:</b> G22296	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11981
<b>API Well Number:</b> 608044022800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7880 - 12000	<b>Water Depth:</b> 4202
<b>Public Info Code:</b> Y 12-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7880 / 7880	DEF AT first sample examined	DEF AT 5
8149 / 8148	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8150 / 8149	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9200 / 9193	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
10160 /10147	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10400 /10385	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11000 /10982	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12000 /11981	DEF AT last sample examined	DEF AT 5

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End Date: 01-DEC-2016

<b>Area Block:</b> EB 690	<b>Date of Summary:</b> 13-NOV-2001	<b>First Sample Examined:</b> 7880
<b>Lease Number:</b> G22296	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11981
<b>API Well Number:</b> 608044022800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7880 - 12000	<b>Water Depth:</b> 4202
<b>Public Info Code:</b> Y 12-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7880 / 7880	DEF AT first sample examined	DEF AT
7881 / 7881	POS AT out-of-place section	DEF AT
7882 / 7882	POS AT reworked material	DEF AT
8060 / 8059	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8150 / 8149	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9920 / 9908	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10250 /10236	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10940 /10922	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11000 /10982	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12000 /11981	DEF AT last sample examined	DEF AT

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End Date: 01-DEC-2016

<b>Area Block:</b> EB 690	<b>Date of Summary:</b> 13-NOV-2001	<b>First Sample Examined:</b> 8030
<b>Lease Number:</b> G22296	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12972
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11535
<b>API Well Number:</b> 608044022801	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8030 - 12980	<b>Water Depth:</b> 4202
<b>Public Info Code:</b> Y 15-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8030 / 8029	DEF AT first sample examined	DEF AT 5
8150 / 8149	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8180 / 8179	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9200 / 9099	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
10100 / 9796	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
10220 / 9886	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10730 /10243	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
10790 /10282	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10910 /10354	DEF AT local marker foram decrease	DEF AT 5
12260 /11087	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
12650 /11327	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12709 /11365	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
12710 /11365	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12980 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 690	<b>Date of Summary:</b> 13-NOV-2001	<b>First Sample Examined:</b> 8030
<b>Lease Number:</b> G22296	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12972
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11535
<b>API Well Number:</b> 608044022801	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8030 - 12980	<b>Water Depth:</b> 4202
<b>Public Info Code:</b> Y 15-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8030 / 8029	DEF AT first sample examined	DEF AT
8031 / 8030	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9950 / 9682	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10370 / 9996	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10700 /10224	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10760 /10263	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11240 /10528	DEF AT reworked material	DEF AT
12050 /10964	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12080 /10981	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12620 /11308	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12980 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 712	<b>Date of Summary:</b> 19-FEB-2003	<b>First Sample Examined:</b> 6030
<b>Lease Number:</b> G23244	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8200
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8199
<b>API Well Number:</b> 608044021500	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6030 - 8190	<b>Water Depth:</b> 3672
<b>Public Info Code:</b> Y 27-NOV-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6029	DEF AT first sample examined	DEF AT 6
6031 / 6030	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 6
6150 / 6149	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
6300 / 6299	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
6420 / 6419	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
6450 / 6449	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
6480 / 6479	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
6510 / 6509	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
7290 / 7289	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
7530 / 7529	DEF AT - - - - -	DEF IN 5
7740 / 7739	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 5
8190 / 8189	DEF AT last sample examined	DEF IN 5



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 712	<b>Date of Summary:</b> 19-FEB-2003	<b>First Sample Examined:</b> 6030
<b>Lease Number:</b> G23244	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8200
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8199
<b>API Well Number:</b> 608044021500	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6030 - 8190	<b>Water Depth:</b> 3672
<b>Public Info Code:</b> Y 27-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6029	DEF AT first sample examined	DEF AT
6031 / 6030	DEF IN Upper Miocene (Tortonian) <i>Catinaster mexicanus</i>	DEF AT
6150 / 6149	DEF AT Upper Miocene (Tortonian) <i>Discoaster prepentaradiatus</i>	DEF AT
6180 / 6179	DEF AT Upper Miocene (Tortonian) <i>Discoaster prepentaradiatus</i> (increase)	DEF AT
6210 / 6209	DEF AT Upper Miocene (Tortonian) <i>Discoaster bollii</i>	DEF AT
6270 / 6269	DEF AT Upper Miocene (Tortonian) <i>Discoaster hamatus</i>	DEF AT
6300 / 6299	DEF AT Upper Miocene (Tortonian) <i>Catinaster coalitus</i>	DEF AT
6330 / 6329	DEF AT Upper Miocene (Tortonian) <i>Coccolithus miopelagicus</i>	DEF AT
6440 / 6439	DEF AT Middle Miocene (Serravallian) <i>Discoaster kugleri</i>	DEF AT
6480 / 6479	DEF AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT
6496 / 6495	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
6510 / 6509	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i> (acme)	DEF AT
7290 / 7289	DEF AT Middle Miocene (Langhian) <i>Helicosphaera ampliaperta</i>	DEF AT
7380 / 7379	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (acme)	DEF AT
7650 / 7649	DEF AT Lower Miocene (Burdigalian) <i>Sphenolithus belemnus</i>	DEF AT
7740 / 7739	DEF AT Lower Miocene (Burdigalian) <i>Discoaster calculosus</i> (increase)	DEF AT
7940 / 7939	DEF AT Lower Miocene (Burdigalian) <i>Triquetrorhabdulus carinatus</i>	DEF AT
8010 / 8009	DEF AT Lower Miocene (Aquitania) <i>Discoaster saundersi</i>	DEF AT
8190 / 8189	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 715	Date of Summary: 01-JUN-2005	First Sample Examined: 6380
Lease Number: G20733	Source of Paleo: OPERATOR	Borehole MD: 11507
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11265
API Well Number: 608044024700	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6380 - 11510	Water Depth: 4074
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6380 / 6380	DEF AT first sample examined	DEF AT
6469 / 6469	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6470 / 6470	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
6530 / 6530	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6590 / 6590	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
6740 / 6740	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
6770 / 6770	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
7010 / 7010	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7130 / 7130	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7190 / 7190	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7220 / 7220	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
7250 / 7250	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
7580 / 7580	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
7699 / 7699	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
7700 / 7700	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
8000 / 8000	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
8120 / 8120	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8150 / 8150	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
10712 /10488	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
10820 /10592	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11090 /10853	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
11150 /10912	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 715	<b>Date of Summary:</b> 01-JUN-2005	<b>First Sample Examined:</b> 6380
<b>Lease Number:</b> G20733	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11507
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11265
<b>API Well Number:</b> 608044024700	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6380 - 11510	<b>Water Depth:</b> 4074
<b>Public Info Code:</b> Y 30-SEP-2008	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11180 /10941	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
11239 /10999	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
11240 /11000	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
11402 /11161	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
11510 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 715	Date of Summary: 01-JUN-2005	First Sample Examined: 6380
Lease Number: G20733	Source of Paleo: OPERATOR	Borehole MD: 11507
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11265
API Well Number: 608044024700	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 6380 - 11510	Water Depth: 4074
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6380 / 6380	DEF AT first sample examined	DEF AT 6
6381 / 6381	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6500 / 6500	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
6920 / 6920	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
6950 / 6950	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
7250 / 7250	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
7579 / 7579	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
7580 / 7580	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
7700 / 7700	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
7790 / 7790	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
8120 / 8120	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
8540 / 8537	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
10940 /10707	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
11210 /10971	DEF AT - - - - -	DEF AT 5
11299 /11058	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11300 /11059	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
11402 /11161	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
11450 /11208	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11510 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 758	Date of Summary: 07-MAR-2003	First Sample Examined: 6810
Lease Number: G20745	Source of Paleo: OPERATOR	Borehole MD: 9510
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8896
API Well Number: 608044022300	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6810 - 9510	Water Depth: 4114
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6810 / 6789	DEF AT first sample examined	DEF AT 5
7140 / 7102	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 6
7290 / 7239	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
7410 / 7348	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 6
8550 / 8228	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 6
8580 / 8249	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 6
8670 / 8312	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 6
8700 / 8333	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 6
8760 / 8375	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 6
8860 / 8445	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 6
9180 / 8669	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 6
9300 / 8752	DEF AT -----	DEF AT 5
9510 / 8896	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EB 758	<b>Date of Summary:</b> 07-MAR-2003	<b>First Sample Examined:</b> 6810
<b>Lease Number:</b> G20745	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9510
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8896
<b>API Well Number:</b> 608044022300	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6810 - 9510	<b>Water Depth:</b> 4114
<b>Public Info Code:</b> Y 30-SEP-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6810 / 6789	DEF AT first sample examined	DEF AT
6900 / 6876	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
6990 / 6962	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
7110 / 7074	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
7200 / 7157	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
7290 / 7239	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
7350 / 7294	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8040 / 7856	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8160 / 7945	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8370 / 8099	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8460 / 8164	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8520 / 8207	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8670 / 8312	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
8760 / 8375	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
9210 / 8690	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
9330 / 8772	POS AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
9360 / 8793	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
9510 / 8896	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 832	<b>Date of Summary:</b> 29-JAN-2001	<b>First Sample Examined:</b> 5117
<b>Lease Number:</b> G20757	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7572
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7572
<b>API Well Number:</b> 608044020400	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5117 - 7573	<b>Water Depth:</b> 3536
<b>Public Info Code:</b> Y 23-OCT-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, the stratigraphic intervals 5280-5370 and 6480-6900 yielded mixed floral assemblages of Pleistocene/Late Miocene, Early Mlocene/Late Oligocene that were reworked or a displaced section

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5117 / 5117	DEF AT first sample examined	DEF AT
5310 / 5310	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6510 / 6510	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6570 / 6570	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7470 / 7470	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7500 / 7500	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7573 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 832	Date of Summary: 31-JAN-2001	First Sample Examined: 5117
Lease Number: G20757	Source of Paleo: OPERATOR	Borehole MD: 7572
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7572
API Well Number: 608044020400	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 5117 - 7500	Water Depth: 3536
Public Info Code: Y 23-OCT-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5117 / 5117	DEF AT first sample examined	DEF AT 5
7500 / 7500	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "B")	DEF AT 5
7573 /	DEF AT last sample examined	DEF AT 5



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 945	Date of Summary: 14-OCT-1992	First Sample Examined: 6775
Lease Number: G08211	Source of Paleo: OPERATOR	Borehole MD: 11930
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11929
API Well Number: 608044014900	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6775 - 11930	Water Depth: 4645
Public Info Code: Y 02-SEP-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Diana Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6775 / 6775	DEF AT first sample examined	DEF AT 5
6776 / 6776	DEF IN Upper Pleistocene (Ionian) Helicosphaera inversa	DEF AT 5
7200 / 7200	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
7260 / 7260	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
7320 / 7320	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8070 / 8070	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
8160 / 8160	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT 5
8190 / 8190	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8220 / 8220	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8340 / 8340	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
8729 / 8729	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
8730 / 8730	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8820 / 8820	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
10230 /10230	POS AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
10297 /10297	DEF AT reworked material	DEF AT 5
10544 /10544	POS AT unconformity	DEF AT 5
10545 /10545	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10590 /10590	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
10768 /10768	DEF AT unconformity	DEF AT 5
10769 /10769	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 945	Date of Summary: 14-OCT-1992	First Sample Examined: 6775
Lease Number: G08211	Source of Paleo: OPERATOR	Borehole MD: 11930
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11929
API Well Number: 608044014900	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6775 - 11930	Water Depth: 4645
Public Info Code: Y 02-SEP-2000	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10770 /10770	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10800 /10800	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10830 /10830	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
10860 /10860	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10889 /10889	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
10890 /10890	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
10949 /10949	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
10950 /10950	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
11010 /11010	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
11040 /11040	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
11070 /11070	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
11119 /11119	POS AT reworked material	DEF AT 5
11120 /11120	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11249 /11249	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 5
11250 /11250	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
11310 /11310	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
11430 /11430	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
11730 /11730	POS AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT 5
11790 /11790	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
11820 /11820	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11930 /11929	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 946	Date of Summary: 01-FEB-1996	First Sample Examined: 6570
Lease Number: G08211	Source of Paleo: OPERATOR	Borehole MD: 11100
Well Name: DA003	Paleo Done By: OPERATOR	Borehole TVD: 10818
API Well Number: 608044016200	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6570 - 11330	Water Depth: 4653
Public Info Code: Y 25-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6570 / 6570	DEF AT first sample examined	DEF AT
6571 / 6571	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
6750 / 6750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7290 / 7273	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8510 / 8323	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
8570 / 8375	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT
8630 / 8427	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
8930 / 8694	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9470 / 9199	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10850 /10568	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
10970 /10688	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11330 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 946	Date of Summary: 01-APR-1996	First Sample Examined: 6570
Lease Number: G08212	Source of Paleo: OPERATOR	Borehole MD: 11586
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11257
API Well Number: 608044016300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6570 - 11587	Water Depth: 4653
Public Info Code: Y 02-MAY-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6570 / 6570	DEF AT first sample examined	DEF AT
6571 / 6571	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8580 / 8393	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8700 / 8496	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9240 / 8968	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
10830 /10501	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11370 /11041	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
11550 /11221	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11587 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 990	Date of Summary: 01-SEP-2002	First Sample Examined: 6700
Lease Number: G23255	Source of Paleo: OPERATOR	Borehole MD: 14968
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14968
API Well Number: 608044023300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 6700 - 14968	Water Depth: 4825
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Eptesicus Prospect, company-integrated foram and nanno report, 14820=Lower Oligocene Subbotina angiporoides, based on the benthic foraminiferal assemblages, the depositional environment is interpreted as Lower to middle slope since the early Oligocene, abundance variations of planktic forams and nannofossils indicate the entire Oligocene and Lower to middle Miocene section is very condensed, with a predominant pelagic influence, the Upper Miocene to the Pleistocene section displays reduced planktic abundance and increased rate of sediment accumulation, suggesting an expanded section

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6700 / 6700	DEF AT first sample examined	DEF AT 5
6701 / 6701	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8140 / 8140	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
8230 / 8230	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8320 / 8320	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9680 / 9680	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
9850 / 9850	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
11210 /11210	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11230 /11230	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
12270 /12270	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
12390 /12390	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
12391 /12391	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12629 /12629	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
12630 /12630	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12660 /12660	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
12689 /12689	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
12690 /12690	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
12720 /12720	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 990	Date of Summary: 01-SEP-2002	First Sample Examined: 6700
Lease Number: G23255	Source of Paleo: OPERATOR	Borehole MD: 14968
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14968
API Well Number: 608044023300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 6700 - 14968	Water Depth: 4825
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12750 /12750	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
12870 /12870	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
12990 /12990	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 5
13110 /13110	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
13140 /13140	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
13170 /13170	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13200 /13200	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
13260 /13260	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
13290 /13290	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13348 /13348	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 5
13349 /13349	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
13350 /13350	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
13470 /13470	DEF AT Lower Miocene (Aquitanean) Globorotalia kugleri	DEF AT 5
13500 /13500	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
13650 /13650	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
13680 /13680	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
13830 /13830	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
13860 /13860	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 5
14860 /14859	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
14968 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EB 994	Date of Summary: 20-MAY-1997	First Sample Examined: 7000
Lease Number: G12629	Source of Paleo: OPERATOR	Borehole MD: 12745
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12745
API Well Number: 608044016500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7000 - 12745	Water Depth: 4585
Public Info Code: Y 30-SEP-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
7000 / 7000	DEF AT first sample examined	DEF	AT
8130 / 8130	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF	AT
8430 / 8430	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT
8730 / 8730	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	AT
9320 / 9320	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF	AT
9440 / 9440	DEF AT faunal change (no faunal increase)	POS	AT 5
9860 / 9860	DEF AT faunal change (no faunal increase)	DEF	AT 6
9889 / 9889	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT 6
9890 / 9890	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS	AT 6
9980 / 9980	DEF AT faunal change (no faunal increase)	POS	AT 5
10220 /10220	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS	AT 5
10730 /10730	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	POS	AT 5
11360 /11360	DEF AT local marker planktic foram increase	POS	AT 5
12410 /12410	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS	AT 5
12680 /12680	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS	AT 5
12745 /	DEF AT last sample examined	POS	AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EB 994	<b>Date of Summary:</b> 30-MAY-1997	<b>First Sample Examined:</b> 9264
<b>Lease Number:</b> G12629	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13806
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13116
<b>API Well Number:</b> 608044016501	<b>Drilling Operator:</b> BP OIL CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9264 - 13806	<b>Water Depth:</b> 4585
<b>Public Info Code:</b> Y 30-SEP-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
9264 / 9264	DEF AT first sample examined	DEF	AT	
9910 / 9897	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT	
10960 /10844	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT	
12400 /11980	DEF AT - - - - -	POS	AT	5
13240 /12647	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	POS	AT	5
13420 /12793	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS	AT	5
13806 /13116	DEF AT last sample examined	POS	AT	5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 2  
 Lease Number: G10605  
 Well Name: 003  
 API Well Number: 177034065701  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 12-JUL-2004

Date of Summary: 03-JAN-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: BRITISH-BORNEO USA INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12671  
 Borehole TVD: 12163  
 Rkb Elevation: 94  
 Water Depth: 30  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11210 /10981	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
12280 /11853	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 2	Date of Summary: 05-JAN-1995	First Sample Examined: 0
Lease Number: G10605	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13490
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13489
API Well Number: 177034065400	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 28
Public Info Code: Y 28-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11786 /11785	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
11920 /11919	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 14	Date of Summary: 15-APR-1998	First Sample Examined: 0
Lease Number: G13572	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17149
Well Name: CF002	Paleo Done By: OPERATOR	Borehole TVD: 16399
API Well Number: 177034068600	Drilling Operator: FORCENERGY INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 07-SEP-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9208 / 9208	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
11700 /11585	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
13875 /13541	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 23  
 Lease Number: G02853  
 Well Name: 010  
 API Well Number: 177034058700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 11-FEB-2000

Date of Summary: 12-MAR-1990  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: SONAT OFFSHORE DRILLING  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14620  
 Borehole TVD: 14615  
 Rkb Elevation: 64  
 Water Depth: 35  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7068 / 7068	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8415 / 8414	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9145 / 9144	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9715 / 9714	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10000 / 9999	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12660 / 12659	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
13743 / 13742	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 34	Date of Summary: 20-FEB-1998	First Sample Examined: 0
Lease Number: G17834	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11590
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11301
API Well Number: 177034084700	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 24-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10510 /10392	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 38  
Lease Number: G02562  
Well Name: 006  
API Well Number: 177034085900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 16-SEP-2005

Date of Summary: 11-OCT-1998  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 12511  
Borehole TVD: 12343  
Rkb Elevation: 85  
Water Depth: 40  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6038 / 6036	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
7608 / 7543	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8079 / 7988	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8723 / 8596	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9568 / 9410	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9973 / 9810	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11893 / 11727	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 38	Date of Summary: 08-JAN-1999	First Sample Examined: 4055
Lease Number: G02562	Source of Paleo: OPERATOR	Borehole MD: 11080
Well Name: 007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11079
API Well Number: 177034086000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4055 - 16020	Water Depth: 42
Public Info Code: Y 16-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4055 / 4055	DEF AT first sample examined	DEF AT 1
5370 / 5370	DEF AT - - - - -	DEF AT 2
5550 / 5550	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6720 / 6720	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
6900 / 6900	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 2
7440 / 7440	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
7860 / 7860	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
8340 / 8340	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
8430 / 8430	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
8969 / 8968	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
8970 / 8969	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
9000 / 8999	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
9300 / 9299	DEF AT Eggerella sp. (local marker)	DEF AT 3
9360 / 9359	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
9540 / 9539	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
10470 /10469	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
10560 /10559	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 3
11080 /11079	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 38  
Lease Number: G02562  
Well Name: 007  
API Well Number: 177034086001  
Paleo Report Num: 1 of 1  
Public Info Code: Y 16-SEP-2005

Date of Summary: 08-JAN-1999  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
Sample Range: 11080 - 16020  
Ecozone Eq MMS: Y

First Sample Examined: 11080  
Borehole MD: 16050  
Borehole TVD: 16048  
Rkb Elevation: 96  
Water Depth: 42  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11080 /11079	DEF AT first sample examined	DEF AT 3
11081 /11080	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
11219 /11218	DEF AT local marker benthic foram increase	DEF AT 3
11220 /11219	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
12180 /12178	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
13080 /13078	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
13770 /13768	DEF AT local marker benthic foram increase	DEF AT 3
14010 /14008	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16020 /16017	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 38	Date of Summary: 05-MAY-2000	First Sample Examined: 0
Lease Number: G02562	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10202
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 10201
API Well Number: 177034087800	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 16-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6560 / 6560	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7590 / 7590	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9455 / 9454	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 40	Date of Summary: 26-NOV-2001	First Sample Examined: 0
Lease Number: G21570	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17936
API Well Number: 177034091000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9090 / 9090	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9480 / 9480	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9570 / 9570	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10890 /10889	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12840 /12839	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
15480 /15479	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
17220 /17191	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 43	Date of Summary: 11-JUN-1997	First Sample Examined: 0
Lease Number: G16230	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16012
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16000
API Well Number: 177034082300	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7640 / 7628	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8160 / 8148	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8765 / 8753	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10125 /10113	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10570 /10558	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11690 /11678	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
15380 /15367	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 45	Date of Summary: 13-FEB-1995	First Sample Examined: 0
Lease Number: G03287	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10197
Well Name: D006	Paleo Done By: OPERATOR	Borehole TVD: 9609
API Well Number: 177034068000	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 47
Public Info Code: Y 02-JAN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9853 / 9302	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 48	Date of Summary: 19-JUN-2000	First Sample Examined: 0
Lease Number: 00767	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10848
Well Name: H006	Paleo Done By: OPERATOR	Borehole TVD: 10278
API Well Number: 177034087700	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 169
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 56
Public Info Code: Y 02-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9390 / 9170	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10382 / 9908	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 49  
 Lease Number: G00932  
 Well Name: 004  
 API Well Number: 177034066300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 14-SEP-2004

Date of Summary: 27-SEP-1994  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 15444  
 Borehole TVD: 15440  
 Rkb Elevation: 99  
 Water Depth: 53  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10850 /10849	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT
12727 /12726	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 57	Date of Summary: 03-JAN-1995	First Sample Examined: 0
Lease Number: G03289	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15142
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 15140
API Well Number: 177034067700	Drilling Operator: CONOCO INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 46
Public Info Code: Y 02-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10290 /10290	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12120 /12119	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13020 /13019	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 60	Date of Summary: 08-APR-1993	First Sample Examined: 9716
Lease Number: G05359	Source of Paleo: OPERATOR	Borehole MD: 18168
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 18168
API Well Number: 177034063200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5749 - 18167	Water Depth: 50
Public Info Code: Y 11-SEP-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
9716 / 9716	DEF AT first sample examined	DEF	AT
9994 / 9994	DEF AT sample gap top	DEF	AT
12407 /12407	DEF AT sample gap bottom	DEF	AT
12500 /12499	DEF AT sample gap top	DEF	AT
13090 /13089	DEF AT sample gap bottom	DEF	AT
13510 /13509	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT 2
13690 /13688	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT 2
13720 /13718	DEF AT sample gap top	POS	AT 2
15250 /15247	DEF AT sample gap bottom	DEF	AT 2
15730 /15726	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT 3
16960 /16954	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF	AT 2
18167 /18157	DEF AT last sample examined	DEF	AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 60  
 Lease Number: G05359  
 Well Name: A002  
 API Well Number: 177034057902  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 11-SEP-2002

Date of Summary: 13-JAN-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12950  
 Borehole TVD: 11760  
 Rkb Elevation: 131  
 Water Depth: 54  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11825 /11001	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 60  
 Lease Number: G05359  
 Well Name: A005  
 API Well Number: 177034067600  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 11-SEP-2002

Date of Summary: 17-JAN-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 15110  
 Borehole TVD: 14640  
 Rkb Elevation: 130  
 Water Depth: 50  
 Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9360 / 9169	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11302 /11013	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11806 /11492	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
13100 /12713	DEF IN Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT
14496 /14048	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 62	Date of Summary: 14-MAY-1998	First Sample Examined: 0
Lease Number: G13574	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8573
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 6800
API Well Number: 177034085101	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 23-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7177 / 5820	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8105 / 6469	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 62	Date of Summary: 16-JUN-1998	First Sample Examined: 0
Lease Number: G13574	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8060
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 7027
API Well Number: 177034085600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 23-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7026 / 6183	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7795 / 6808	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 63  
Lease Number: G22574  
Well Name: 001  
API Well Number: 177034095300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 20-JUL-2010

Date of Summary: 28-AUG-2003  
Source of Paleo: OPERATOR  
Paleo Done By: BANE AND SCHUNICK  
Drilling Operator: HUNT OIL COMPANY  
Sample Range: 8980 - 13698  
Ecozone Eq MMS: Y

First Sample Examined: 8980  
Borehole MD: 13698  
Borehole TVD: 13697  
Rkb Elevation: 104  
Water Depth: 50  
Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8980 / 8980	DEF AT first sample examined	DEF AT 3
8981 / 8981	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
9070 / 9070	DEF AT -----	DEF IN 2
9220 / 9220	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 2
9520 / 9519	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 2
9550 / 9549	DEF AT -----	DEF AT 2
9790 / 9789	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
9880 / 9879	DEF AT -----	DEF IN 2
9910 / 9909	DEF AT -----	DEF AT 2
10000 / 9999	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 2
10060 /10059	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
10180 /10179	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 2
10360 /10359	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 2
10690 /10689	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
10750 /10749	DEF AT -----	DEF AT 2
10930 /10929	DEF AT -----	DEF IN 2
10960 /10959	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 2
11260 /11259	DEF AT local marker foram increase	DEF IN 2
11620 /11619	DEF AT local marker foram increase	DEF IN 2
11750 /11749	DEF AT -----	DEF AT 2
11860 /11859	DEF AT -----	DEF AT 2
11920 /11919	DEF AT local marker foram increase	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 63	<b>Date of Summary:</b> 28-AUG-2003	<b>First Sample Examined:</b> 8980
<b>Lease Number:</b> G22574	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13698
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 13697
<b>API Well Number:</b> 177034095300	<b>Drilling Operator:</b> HUNT OIL COMPANY	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8980 - 13698	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 20-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11979	DEF AT - - - - -	DEF AT 2
12100 /12099	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
12400 /12399	DEF AT local marker foram increase	DEF AT 2
12940 /12939	POS AT local marker foram increase	DEF AT 2
13180 /13179	DEF AT local marker foram increase	DEF AT 2
13698 /13697	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 64  
Lease Number: 00089  
Well Name: 011  
API Well Number: 177034062900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 03-MAR-2003

Date of Summary: 10-MAR-1993  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 16600  
Borehole TVD: 16418  
Rkb Elevation: 102  
Water Depth: 50  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8970 / 8970	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9180 / 9180	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10170 /10170	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11520 /11514	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12760 /12724	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 64  
 Lease Number: 00089  
 Well Name: 012  
 API Well Number: 177034064000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 01-SEP-2003

Date of Summary: 27-AUG-1993  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12700  
 Borehole TVD: 11499  
 Rkb Elevation: 105  
 Water Depth: 50  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8970 / 7816	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9330 / 8149	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
11970 / 10768	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 64  
Lease Number: 00089  
Well Name: A007  
API Well Number: 177034061200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 18-JUL-2001

Date of Summary: 14-AUG-1991  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 13150  
Borehole TVD: 12739  
Rkb Elevation: 101  
Water Depth: 50  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6580 / 6297	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
7540 / 7210	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8650 / 8278	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9220 / 8830	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9430 / 9035	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10390 / 9989	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11890 / 11489	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 80  
Lease Number: G16231  
Well Name: 001  
API Well Number: 177034084100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-JUL-2001

Date of Summary: 10-NOV-1997  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 12021  
Borehole TVD: 12014  
Rkb Elevation: 97  
Water Depth: 57  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6890 / 6890	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7508 / 7508	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8535 / 8534	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
9002 / 9001	DEF IN Upper Miocene (Tortonian) Robulus 15	DEF AT
10818 /10815	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
11653 /11647	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 83  
 Lease Number: G08641  
 Well Name: 004  
 API Well Number: 177034089500  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 05-JAN-2011

Date of Summary: 23-MAR-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: HOUSTON EXPLORATION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14569  
 Borehole TVD: 14456  
 Rkb Elevation: 100  
 Water Depth: 60  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11111 /11110	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12265 /12264	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 84	Date of Summary: 07-APR-2000	First Sample Examined: 0
Lease Number: G14356	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18600
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18555
API Well Number: 177034087500	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 29-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14515 /14477	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
18112 /18071	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 89	Date of Summary: 05-JUN-2001	First Sample Examined: 0
Lease Number: G00935	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9350
Well Name: 017	Paleo Done By: OPERATOR	Borehole TVD: 7615
API Well Number: 177034090600	Drilling Operator: CALPINE NATURAL GAS COMPANY	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 18-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6362 / 5751	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7482 / 6446	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8804 / 7266	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 104	Date of Summary: 25-JUN-2001	First Sample Examined: 0
Lease Number: G21572	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10539
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8587
API Well Number: 177034089300	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 28-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3600 / 3600	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5463 / 5433	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7090 / 6727	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 104	<b>Date of Summary:</b> 25-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21572	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10057
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7983
<b>API Well Number:</b> 177034089700	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 65
<b>Public Info Code:</b> Y 28-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5448 / 5417	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8900 / 7409	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9866 / 7886	DEF IN Upper Miocene (Tortonian) Robulus 15	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 111	Date of Summary: 27-JAN-2012	First Sample Examined: 13300
Lease Number: G25944	Source of Paleo: OPERATOR	Borehole MD: 14040
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13973
API Well Number: 177034102000	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 13300 - 14040	Water Depth: 66
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13300 /13233	DEF AT first sample examined	DEF IN 4
13460 /13393	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 4
13588 /13521	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
13589 /13522	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
13590 /13523	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
13680 /13613	DEF AT - - - - -	DEF AT 4
14010 /13943	DEF AT salt	DEF AT 4
14040 /13973	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 118	Date of Summary: 28-AUG-2002	First Sample Examined: 4790
Lease Number: G14362	Source of Paleo: OPERATOR	Borehole MD: 12500
Well Name: 003	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11552
API Well Number: 177034093200	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 4790 - 11722	Water Depth: 70
Public Info Code: Y 17-APR-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4790 / 4788	DEF AT first sample examined	DEF AT 2
5090 / 5087	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
5440 / 5437	DEF AT Upper Miocene (Messinian) Textularia "X"	POS AT 2
5620 / 5617	DEF AT -----	DEF IN 2
5710 / 5707	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 2
6070 / 6067	DEF AT local marker foram increase	DEF IN 2
6250 / 6247	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
6520 / 6517	DEF AT faunal change (no faunal increase)	DEF IN 2
6610 / 6607	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 2
6700 / 6697	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
6770 / 6767	DEF AT -----	DEF IN 2
6970 / 6966	DEF AT -----	DEF AT 3
7150 / 7146	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
7240 / 7236	DEF AT -----	DEF IN 2
7330 / 7326	DEF AT -----	DEF AT 3
7420 / 7416	DEF AT local marker planktic foram increase	DEF IN 3
7534 / 7530	DEF AT -----	DEF IN 2
7600 / 7596	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3
7780 / 7776	DEF AT foram flood	DEF IN 3
8320 / 8312	DEF AT -----	DEF AT 3
8484 / 8472	DEF AT -----	DEF IN 3
8860 / 8828	DEF AT local marker planktic foram increase	POS AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 118	Date of Summary: 28-AUG-2002	First Sample Examined: 4790
Lease Number: G14362	Source of Paleo: OPERATOR	Borehole MD: 12500
Well Name: 003	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11552
API Well Number: 177034093200	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 4790 - 11722	Water Depth: 70
Public Info Code: Y 17-APR-2003	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8950 / 8909	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
9310 / 9218	POS AT faunal change (no faunal increase)	DEF IN 3
9510 / 9384	DEF AT local marker foram increase	POS AT 4
9540 / 9409	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
9580 / 9442	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 3
9750 / 9583	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9909 / 9712	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
10300 /10006	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
10390 /10070	DEF AT local marker foram increase	DEF AT 3
10570 /10201	DEF AT -----	DEF IN 3
10660 /10267	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
10790 /10361	DEF AT -----	DEF AT 3
10840 /10397	DEF AT -----	DEF IN 2
10930 /10462	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 4
11020 /10526	DEF AT local marker planktic foram increase	DEF AT 4
11110 /10590	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
11722 /11021	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 121	Date of Summary: 03-JAN-2006	First Sample Examined: 8490
Lease Number: G22582	Source of Paleo: OPERATOR	Borehole MD: 12978
Well Name: B001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11974
API Well Number: 177034099700	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 8490 - 12980	Water Depth: 75
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8490 / 8474	DEF AT first sample examined	DEF AT 2
8491 / 8475	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
8580 / 8560	DEF AT -----	DEF IN 2
8610 / 8588	DEF AT -----	DEF AT 2
8670 / 8645	DEF AT local marker benthic foram increase	DEF AT 3
8880 / 8842	DEF AT -----	DEF IN 2
8910 / 8870	DEF AT local marker benthic foram increase	DEF AT 3
9180 / 9113	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
9450 / 9341	DEF AT -----	DEF IN 2
9660 / 9509	DEF AT -----	DEF AT 3
9690 / 9532	DEF AT local marker benthic foram increase	DEF AT 3
9779 / 9600	DEF AT Cyclammina sp. (local marker)	DEF AT 3
9780 / 9601	DEF AT Eggerella 3 (local marker)	DEF AT 3
9840 / 9646	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3
9870 / 9668	DEF AT -----	POS AT 4
9900 / 9690	DEF AT -----	DEF IN 3
9930 / 9713	POS AT local marker foram decrease	DEF AT 3
10200 / 9910	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF IN 3
10590 /10196	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10770 /10329	DEF AT local marker benthic foram increase	DEF IN 3
10830 /10373	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
10860 /10395	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 121  
Lease Number: G22582  
Well Name: B001  
API Well Number: 177034099700  
Paleo Report Num: 1 of 1  
Public Info Code: Y 22-MAY-2013

Date of Summary: 03-JAN-2006  
Source of Paleo: OPERATOR  
Paleo Done By: BANE AND SCHUNICK  
Drilling Operator: STONE ENERGY CORPORATION  
Sample Range: 8490 - 12980  
Ecozone Eq MMS: Y

First Sample Examined: 8490  
Borehole MD: 12978  
Borehole TVD: 11974  
Rkb Elevation: 93  
Water Depth: 75  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10920 /10439	DEF AT -----	DEF AT 3
11130 /10595	DEF AT -----	DEF IN 3
11190 /10640	DEF AT -----	DEF AT 3
11220 /10662	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11460 /10841	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
11520 /10886	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	POS AT 4
11550 /10908	DEF AT foram flood	POS AT 4
11580 /10931	POS AT Upper Miocene (Tortonian) Discorbis 12	POS AT 4
11760 /11065	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 3
11790 /11087	DEF AT local marker benthic foram increase	POS AT 4
12060 /11289	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 4
12120 /11334	POS AT Arenaceous fauna (local marker)	POS AT 4
12150 /11356	DEF AT local marker foram increase	POS AT 4
12900 /11916	DEF AT -----	DEF IN 3
12930 /11939	DEF AT Bathysiphon fauna	DEF IN 3
12980 /	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 122  
 Lease Number: G21066  
 Well Name: 001  
 API Well Number: 177034087900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-APR-2004

Date of Summary: 15-MAY-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 10200  
 Borehole TVD: 10200  
 Rkb Elevation: 90  
 Water Depth: 73  
 Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5054 / 5054	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
6280 / 6280	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
7740 / 7740	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7926 / 7926	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
9777 / 9777	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 126	Date of Summary: 16-DEC-1998	First Sample Examined: 5020
Lease Number: G15139	Source of Paleo: OPERATOR	Borehole MD: 12995
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12141
API Well Number: 177034085200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 5020 - 12995	Water Depth: 72
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5020 / 5020	DEF AT first sample examined	POS AT 2
5021 / 5021	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
6400 / 6286	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 2
6730 / 6578	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 2
7830 / 7550	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 2
8400 / 8056	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 2
8610 / 8244	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 2
10350 / 9798	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 2
10920 /10311	DEF AT Upper Miocene (Tortonian) Cyclammina 3	POS AT 3
12070 /11314	DEF IN Upper Miocene (Tortonian) Cyclammina 3	POS IN 3
12680 /11857	DEF AT -----	DEF AT 4
12770 /11939	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
12995 /12141	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 126	Date of Summary: 11-AUG-2003	First Sample Examined: 7680
Lease Number: G22583	Source of Paleo: OPERATOR	Borehole MD: 16214
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15100
API Well Number: 177034095401	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 7680 - 16200	Water Depth: 77
Public Info Code: Y 30-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7680 / 7676	DEF AT first sample examined	DEF IN 3
7710 / 7706	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
7890 / 7886	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
8790 / 8786	DEF AT - - - - -	DEF AT 4
9480 / 9476	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 4
11250 /11115	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
13050 /12523	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
13890 /13206	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14310 /13549	DEF AT - - - - -	DEF AT 5
14400 /13623	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14490 /13696	DEF AT - - - - -	DEF AT 4
15450 /14476	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
15480 /14500	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
16200 /15089	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 134  
Lease Number: G19744  
Well Name: 001  
API Well Number: 177034086400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-JUL-2003

Date of Summary: 03-AUG-1999  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 11500  
Borehole TVD: 11486  
Rkb Elevation: 96  
Water Depth: 80  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4650 / 4650	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
5200 / 5199	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
5420 / 5419	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
6400 / 6399	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8000 / 7999	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8400 / 8399	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Poblano Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5190 / 5190	DEF AT first sample examined	DEF IN 1
5280 / 5280	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
5310 / 5310	DEF AT faunal change (no faunal increase)	DEF IN 1
5340 / 5340	DEF AT faunal change (no faunal increase)	DEF AT 2
5370 / 5370	DEF AT faunal change (no faunal increase)	DEF IN 1
5460 / 5460	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 1
5910 / 5910	DEF AT local marker foram decrease	DEF IN 1
6180 / 6180	DEF AT local marker benthic foram increase	DEF AT 2
6240 / 6240	DEF AT local marker foram decrease	DEF AT 2
6360 / 6360	DEF AT faunal change (no faunal increase)	DEF IN 1
6810 / 6810	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
6840 / 6840	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 1
6900 / 6900	DEF AT faunal change (no faunal increase)	DEF AT 2
6930 / 6930	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
6960 / 6960	DEF AT faunal change (no faunal increase)	DEF IN 1
6990 / 6990	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
7050 / 7050	DEF AT local marker foram decrease	DEF AT 2
7080 / 7080	DEF AT faunal change (no faunal increase)	DEF IN 1
7500 / 7499	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 2
7830 / 7829	DEF AT faunal change (no faunal increase)	DEF IN 1
7980 / 7979	DEF AT faunal change (no faunal increase)	DEF IN 2
8010 / 8009	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 137  
Lease Number: G21575  
Well Name: 001  
API Well Number: 177034097300  
Paleo Report Num: 1 of 2  
Public Info Code: Y 06-APR-2005

Date of Summary: 22-SEP-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 5190 - 17000  
Ecozone Eq MMS: Y

First Sample Examined: 15190  
Borehole MD: 17000  
Borehole TVD: 16995  
Rkb Elevation: 100  
Water Depth: 81  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8100 / 8098	DEF AT local marker foram decrease	DEF IN 2
8310 / 8308	DEF AT faunal change (no faunal increase)	DEF AT 2
8610 / 8608	DEF AT local marker benthic foram increase	DEF AT 2
8670 / 8668	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
8700 / 8698	DEF AT faunal change (no faunal increase)	DEF IN 2
8760 / 8758	DEF AT local marker foram decrease	DEF AT 2
8910 / 8908	POS AT local marker benthic foram increase	DEF AT 2
9060 / 9057	DEF AT faunal change (no faunal increase)	DEF IN 2
9150 / 9147	DEF AT faunal change (no faunal increase)	DEF AT 2
9270 / 9267	POS AT local marker benthic foram increase	DEF AT 2
9300 / 9297	DEF AT faunal change (no faunal increase)	DEF IN 2
9330 / 9327	DEF AT faunal change (no faunal increase)	DEF AT 2
9389 / 9386	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
9390 / 9387	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
9510 / 9507	DEF AT pyrite	DEF AT 3
9660 / 9657	DEF AT faunal change (no faunal increase)	DEF IN 2
9690 / 9687	DEF AT faunal change (no faunal increase)	DEF AT 3
9750 / 9747	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 3
9900 / 9897	DEF AT local marker foram decrease	DEF AT 3
10200 /10197	DEF AT faunal change (no faunal increase)	DEF IN 2
10230 /10227	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 2
10260 /10257	DEF AT faunal change (no faunal increase)	DEF AT 3
10290 /10287	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
10380 /10377	DEF AT local marker foram decrease	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 137	<b>Date of Summary:</b> 22-SEP-2004	<b>First Sample Examined:</b> 15190
<b>Lease Number:</b> G21575	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16995
<b>API Well Number:</b> 177034097300	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5190 - 17000	<b>Water Depth:</b> 81
<b>Public Info Code:</b> Y 06-APR-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10497	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
10860 /10856	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
10979 /10975	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
10980 /10976	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11070 /11066	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11160 /11156	DEF AT local marker planktic foram increase	DEF AT 3
11190 /11186	DEF AT pyrite	DEF AT 3
11250 /11246	DEF AT faunal change (no faunal increase)	DEF IN 3
11280 /11276	DEF AT faunal change (no faunal increase)	DEF AT 3
11640 /11636	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11699 /11695	DEF AT cement	DEF IN 2
11700 /11696	DEF AT local marker foram decrease	DEF IN 2
11760 /11756	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
11849 /11845	DEF AT pyrite	DEF AT 3
11850 /11846	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
12030 /12026	DEF AT Eggerella sp. (local marker)	DEF AT 3
12060 /12056	DEF AT local marker benthic foram increase	DEF AT 3
12150 /12146	DEF AT faunal change (no faunal increase)	DEF IN 3
12270 /12266	DEF AT local marker foram decrease	DEF AT 3
12360 /12356	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 3
12419 /12415	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3
12420 /12416	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 3
12540 /12536	DEF AT faunal change (no faunal increase)	DEF AT 3
12690 /12686	DEF AT local marker foram decrease	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 137  
Lease Number: G21575  
Well Name: 001  
API Well Number: 177034097300  
Paleo Report Num: 1 of 2  
Public Info Code: Y 06-APR-2005

Date of Summary: 22-SEP-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 5190 - 17000  
Ecozone Eq MMS: Y

First Sample Examined: 15190  
Borehole MD: 17000  
Borehole TVD: 16995  
Rkb Elevation: 100  
Water Depth: 81  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12750 /12746	DEF AT local marker benthic foram increase	DEF AT 4
12900 /12896	DEF AT faunal change (no faunal increase)	DEF AT 3
12990 /12986	DEF AT faunal change (no faunal increase)	DEF AT 4
13080 /13076	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13170 /13166	DEF AT local marker foram increase	DEF AT 4
13380 /13375	DEF AT local marker deep water fauna	DEF IN 4
13470 /13465	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
13529 /13524	DEF AT local marker foram decrease	DEF AT 3
13530 /13525	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 3
13620 /13615	DEF AT Bathysiphon fauna	DEF AT 3
13740 /13735	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 4
13829 /13824	DEF AT siltstone	DEF AT 3
13830 /13825	DEF AT local marker foram decrease	DEF AT 3
13860 /13855	DEF AT Eggerella sp. (local marker)	DEF AT 3
13920 /13915	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 3
14130 /14125	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3
14232 /14227	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
14250 /14245	DEF AT foram flood	DEF IN 3
14280 /14275	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
14310 /14305	DEF AT faunal change (no faunal increase)	DEF AT 4
14339 /14334	DEF AT foram flood	DEF IN 3
14340 /14335	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
14760 /14755	DEF AT foram flood	DEF IN 3
14768 /14763	DEF AT foram flood	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14820 /14815	DEF AT local marker foram decrease	DEF AT 3
14969 /14964	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
14970 /14965	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
15030 /15025	DEF AT local marker foram decrease	DEF IN 3
15150 /15145	DEF AT local marker benthic foram increase	DEF IN 3
15209 /15203	DEF AT siltstone	DEF IN 3
15210 /15204	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
15270 /15264	DEF AT local marker deep water fauna	DEF AT 4
15330 /15324	DEF AT local marker foram decrease	DEF AT 3
15360 /15354	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 3
15390 /15384	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 3
15420 /15414	DEF AT local marker deep water fauna	DEF IN 4
15450 /15444	DEF AT local marker foram increase	DEF IN 4
15480 /15474	DEF AT local marker benthic foram increase	DEF IN 4
15540 /15534	DEF AT deepwater facies Harang	DEF AT 4
15570 /15564	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
15630 /15624	DEF AT Arenaceous fauna (local marker)	DEF IN 3
15690 /15684	DEF AT local marker foram decrease	DEF AT 4
15870 /15864	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
15930 /15924	DEF AT local marker benthic foram increase	DEF AT 3
15960 /15954	DEF AT faunal change (no faunal increase)	DEF IN 3
15990 /15984	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
16020 /16014	DEF AT faunal change (no faunal increase)	DEF AT 4
16050 /16044	DEF AT local marker planktic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16110 /16104	DEF AT local marker foram decrease	DEF IN 3
16140 /16134	DEF AT faunal change (no faunal increase)	DEF AT 3
16320 /16314	DEF AT local marker foram decrease	DEF AT 4
16380 /16374	DEF AT faunal change (no faunal increase)	DEF AT 3
16410 /16404	DEF AT faunal change (no faunal increase)	DEF AT 4
16440 /16434	DEF AT local marker foram decrease	DEF AT 3
16470 /16464	DEF AT faunal change (no faunal increase)	DEF AT 4
16500 /16494	DEF AT faunal change (no faunal increase)	DEF AT 3
16530 /16524	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
16560 /16554	DEF AT Arenaceous fauna (local marker)	DEF IN 4
16620 /16614	DEF AT faunal change (no faunal increase)	DEF AT 4
16710 /16704	DEF AT local marker foram decrease	DEF AT 3
16890 /16884	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
17000 /16994	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 137	<b>Date of Summary:</b> 04-OCT-2004	<b>First Sample Examined:</b> 9480
<b>Lease Number:</b> G21575	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16995
<b>API Well Number:</b> 177034097300	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9480 - 17000	<b>Water Depth:</b> 81
<b>Public Info Code:</b> Y 06-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Poblano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9477	DEF AT first sample examined	DEF AT
9481 / 9478	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9720 / 9717	DEF AT local marker floral increase	DEF AT
9780 / 9777	DEF AT local marker floral increase	DEF AT
10050 /10047	DEF AT local marker floral decrease	DEF AT
10110 /10107	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10170 /10167	DEF AT local marker floral decrease	DEF AT
10470 /10467	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10680 /10676	DEF AT local marker floral decrease	DEF AT
11160 /11156	DEF AT local marker floral increase	DEF AT
11380 /11376	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11560 /11556	DEF AT local marker floral decrease	DEF AT
11820 /11816	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11940 /11936	DEF AT local marker floral decrease	DEF AT
12120 /12116	POS AT local marker floral increase	DEF AT
12720 /12716	DEF AT local marker floral increase	DEF AT
12960 /12956	DEF AT local marker floral decrease	DEF AT
13740 /13735	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13860 /13855	DEF AT local marker floral decrease	DEF AT
14160 /14155	DEF AT local marker floral increase	DEF AT
14232 /14227	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14370 /14365	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 137	<b>Date of Summary:</b> 04-OCT-2004	<b>First Sample Examined:</b> 9480
<b>Lease Number:</b> G21575	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16995
<b>API Well Number:</b> 177034097300	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9480 - 17000	<b>Water Depth:</b> 81
<b>Public Info Code:</b> Y 06-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14550 /14545	DEF AT local marker floral decrease	DEF AT
14790 /14785	DEF AT local marker floral increase	DEF AT
14850 /14845	DEF AT local marker floral decrease	DEF AT
14970 /14965	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15090 /15085	DEF AT local marker floral decrease	DEF AT
15330 /15324	DEF AT local marker floral increase	DEF AT
15390 /15384	DEF AT local marker floral decrease	DEF AT
15450 /15444	DEF AT local marker floral increase	DEF AT
15510 /15504	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15630 /15624	DEF AT local marker floral decrease	DEF AT
15690 /15684	DEF AT reworked material	DEF AT
15930 /15924	POS AT local marker floral increase	DEF AT
16080 /16074	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16200 /16194	DEF AT local marker floral decrease	DEF AT
16260 /16254	DEF AT local marker floral increase	DEF AT
16410 /16404	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
16470 /16464	DEF AT local marker floral decrease	DEF AT
16590 /16584	DEF AT local marker floral increase	DEF AT
16710 /16704	DEF AT local marker floral decrease	DEF AT
16890 /16884	POS AT local marker floral increase	DEF AT
16950 /16944	DEF AT local marker floral decrease	DEF AT
17000 /16994	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 138	Date of Summary: 23-MAY-1995	First Sample Examined: 0
Lease Number: G13863	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8071
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8070
API Well Number: 177034068300	Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 80
Public Info Code: Y 30-JUL-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4350 / 4350	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6620 / 6620	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7320 / 7320	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 138  
 Lease Number: G13863  
 Well Name: A001  
 API Well Number: 177034065900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-JUL-2002

Date of Summary: 21-NOV-1996  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 10901  
 Borehole TVD: 8834  
 Rkb Elevation: 105  
 Water Depth: 80  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4719 / 4689	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6480 / 6028	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7664 / 6668	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10725 / 8702	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 142	Date of Summary: 19-APR-2001	First Sample Examined: 0
Lease Number: G16239	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9400
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8811
API Well Number: 177034088900	Drilling Operator: TRANSWORLD EXPLORATION AND PRODUCTION INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 17-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6782 / 6537	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8470 / 8000	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
9243 / 8672	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 144	Date of Summary: 07-JUL-2000	First Sample Examined: 0
Lease Number: G21070	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11964
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11964
API Well Number: 177034088200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 85
Public Info Code: Y 22-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7010 / 7010	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8990 / 8989	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11704 /11702	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 148	Date of Summary: 15-JUN-1994	First Sample Examined: 5030
Lease Number: G05370	Source of Paleo: OPERATOR	Borehole MD: 10695
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10432
API Well Number: 177034066100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 5030 - 10695	Water Depth: 80
Public Info Code: Y 14-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5030 / 5011	DEF AT first sample examined	DEF AT
5150 / 5126	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5390 / 5354	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6050 / 5981	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9410 / 9185	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10695 /10432	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 151  
 Lease Number: G05372  
 Well Name: 004  
 API Well Number: 177034086900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 02-FEB-2008

Date of Summary: 15-DEC-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9600  
 Borehole TVD: 9599  
 Rkb Elevation: 101  
 Water Depth: 77  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5900	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6860 / 6860	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
7280 / 7280	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7850 / 7850	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8250 / 8250	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9100 / 9099	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 151	<b>Date of Summary:</b> 19-JAN-1995	<b>First Sample Examined:</b> 6020
<b>Lease Number:</b> G05372	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10700
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8667
<b>API Well Number:</b> 177034066700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4310 - 10413	<b>Water Depth:</b> 110
<b>Public Info Code:</b> Y 30-JUL-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 5154	DEF AT first sample examined	DEF AT 0
6350 / 5377	DEF AT -----	DEF AT 1
6560 / 5516	DEF AT -----	DEF AT 2
8780 / 7030	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 2
9050 / 7232	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
9680 / 7746	DEF AT -----	DEF AT 3
10040 / 8060	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
10413 / 8401	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 151	Date of Summary: 30-APR-1998	First Sample Examined: 0
Lease Number: G05372	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8560
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 8509
API Well Number: 177034085300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 02-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7120 / 7119	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7872 / 7862	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 151  
 Lease Number: G05372  
 Well Name: C001  
 API Well Number: 177034087200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 02-FEB-2008

Date of Summary: 12-JUL-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: NEWFIELD EXPLORATION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 10100  
 Borehole TVD: 10097  
 Rkb Elevation: 38  
 Water Depth: 78  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5595 / 5595	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7209 / 7209	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8466 / 8465	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 152	Date of Summary: 21-JAN-1999	First Sample Examined: 6000
Lease Number: G17849	Source of Paleo: OPERATOR	Borehole MD: 9990
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 9960
API Well Number: 177034086200	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 6000 - 9990	Water Depth: 82
Public Info Code: Y 18-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
6000 / 5972	DEF AT first sample examined	DEF AT 1
6510 / 6482	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
6720 / 6692	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 1
6780 / 6752	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 1
7120 / 7092	DEF AT faunal change (no faunal increase)	POS AT 2
7380 / 7352	DEF AT faunal change (no faunal increase)	DEF AT 1
7620 / 7592	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 1
7650 / 7622	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 1
7679 / 7651	DEF AT unconformity	DEF AT 3
7680 / 7652	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
8610 / 8580	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
8730 / 8700	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
9510 / 9479	DEF AT faunal change (no faunal increase)	DEF IN 3
9870 / 9839	DEF AT unconformity	DEF AT 4
9990 / 9958	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 20-DEC-1993	<b>First Sample Examined:</b> 5790
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16253
<b>API Well Number:</b> 177034065000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 6	<b>Sample Range:</b> 5790 - 10290	<b>Water Depth:</b> 76
<b>Public Info Code:</b> Y 15-JAN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5790 / 5784	DEF AT first sample examined	DEF AT 2
5820 / 5814	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6750 / 6744	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8130 / 8124	DEF AT - - - - -	DEF AT 3
8190 / 8184	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9450 / 9443	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
10290 / 10281	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 157  
Lease Number: G12831  
Well Name: A001  
API Well Number: 177034065000  
Paleo Report Num: 2 of 6  
Public Info Code: Y 15-JAN-2004

Date of Summary: 20-DEC-1993  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 10010 - 11850  
Ecozone Eq MMS: Y

First Sample Examined: 10010  
Borehole MD: 17100  
Borehole TVD: 16253  
Rkb Elevation: 95  
Water Depth: 76  
Paleo ID: 002

Remark: Bypass 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 /10002	DEF AT first sample examined	DEF AT 3
10470 /10460	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11070 /11052	DEF AT - - - - -	DEF AT 4
11280 /11248	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
11850 /11746	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 20-DEC-1993	<b>First Sample Examined:</b> 9480
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16253
<b>API Well Number:</b> 177034065000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 3 of 6	<b>Sample Range:</b> 9480 - 10260	<b>Water Depth:</b> 76
<b>Public Info Code:</b> Y 15-JAN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9473	DEF AT first sample examined	DEF AT
9481 / 9474	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10260 /10251	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 20-DEC-1993	<b>First Sample Examined:</b> 10010
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16253
<b>API Well Number:</b> 177034065000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 4 of 6	<b>Sample Range:</b> 10010 - 11850	<b>Water Depth:</b> 76
<b>Public Info Code:</b> Y 15-JAN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Calcareous nannofossil report for bypass 1, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 /10002	DEF AT first sample examined	DEF AT
11850 /11746	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 20-DEC-1993	<b>First Sample Examined:</b> 11340
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16253
<b>API Well Number:</b> 177034065000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 5 of 6	<b>Sample Range:</b> 11340 - 13800	<b>Water Depth:</b> 76
<b>Public Info Code:</b> Y 15-JAN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report for bypass 2

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11340 /11302	DEF AT first sample examined	DEF AT
11610 /11540	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13800 /13388	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 20-DEC-1993	<b>First Sample Examined:</b> 13740
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16253
<b>API Well Number:</b> 177034065000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 6 of 6	<b>Sample Range:</b> 13740 - 17100	<b>Water Depth:</b> 76
<b>Public Info Code:</b> Y 15-JAN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 006

**Remark:** Calcareous nannofossil report for bypass 4

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13740 /13336	DEF AT first sample examined	DEF AT
14700 /14189	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17100 /16253	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 157	Date of Summary: 24-MAY-1994	First Sample Examined: 6000
Lease Number: G12831	Source of Paleo: OPERATOR	Borehole MD: 12529
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11741
API Well Number: 177034065800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 6000 - 12530	Water Depth: 76
Public Info Code: Y 16-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
6000 / 5529	DEF AT first sample examined	DEF AT 2
7170 / 6561	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
8310 / 7577	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9270 / 8498	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
9420 / 8646	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
10470 / 9689	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
11340 / 10559	DEF AT -----	DEF AT 4
12300 / 11514	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
12530 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 24-MAY-1994	<b>First Sample Examined:</b> 9000
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12529
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11741
<b>API Well Number:</b> 177034065800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9000 - 12530	<b>Water Depth:</b> 76
<b>Public Info Code:</b> Y 16-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8235	DEF AT first sample examined	DEF AT
9720 / 8942	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11400 /10619	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
12299 /11513	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12300 /11514	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12523 /11735	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12530 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 11-OCT-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12896
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11420
<b>API Well Number:</b> 177034067100	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 78
<b>Public Info Code:</b> Y 07-OCT-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6080 / 5537	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7130 / 6441	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9080 / 8141	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
10820 / 9670	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11150 / 9946	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11750 /10453	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
12410 /11014	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 16-DEC-1996	<b>First Sample Examined:</b> 7010
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9957
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8726
<b>API Well Number:</b> 177034081800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 137
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7010 - 9950	<b>Water Depth:</b> 76
<b>Public Info Code:</b> Y 08-NOV-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7010 / 6151	DEF AT first sample examined	DEF AT
7520 / 6571	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8510 / 7401	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9500 / 8289	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9650 / 8431	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9950 / 8719	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 157	Date of Summary: 18-DEC-1996	First Sample Examined: 3832
Lease Number: G12831	Source of Paleo: OPERATOR	Borehole MD: 9957
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8726
API Well Number: 177034081800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 137
Paleo Report Num: 2 of 2	Sample Range: 3832 - 9950	Water Depth: 76
Public Info Code: Y 08-NOV-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3830 / 3499	DEF AT first sample examined	DEF AT 1
5870 / 5200	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
5960 / 5276	DEF AT - - - - -	DEF AT 2
7250 / 6350	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8450 / 7349	DEF AT - - - - -	DEF AT 3
8570 / 7454	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9260 / 8067	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
9380 / 8178	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
9500 / 8289	DEF AT - - - - -	DEF AT 4
9560 / 8346	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
9620 / 8403	DEF AT - - - - -	DEF AT 6
9800 / 8574	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 6
9920 / 8690	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
9950 / 8719	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 157	<b>Date of Summary:</b> 07-MAR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12831	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11260
<b>Well Name:</b> A006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9987
<b>API Well Number:</b> 177034082100	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 127
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 76
<b>Public Info Code:</b> Y 08-NOV-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5570 / 5377	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7010 / 6558	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10610 / 9457	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 169	Date of Summary: 10-OCT-2001	First Sample Examined: 0
Lease Number: G21071	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15212
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15191
API Well Number: 177034091600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 85
Public Info Code: Y 21-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 171	Date of Summary: 01-MAY-1996	First Sample Examined: 8000
Lease Number: G12836	Source of Paleo: OPERATOR	Borehole MD: 13700
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13634
API Well Number: 177034080500	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 149
Paleo Report Num: 1 of 1	Sample Range: 8000 - 13700	Water Depth: 80
Public Info Code: Y 29-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 1
8090 / 8089	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
8570 / 8569	DEF AT shell fragments	DEF AT 1
9230 / 9229	DEF AT faunal change (no faunal increase)	DEF IN 1
9290 / 9289	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 1
9350 / 9349	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 1
9799 / 9798	POS AT unconformity	DEF AT 2
9800 / 9799	DEF AT local marker benthic foram increase	DEF AT 2
9860 / 9859	DEF AT local marker foram increase	DEF AT 2
10190 /10189	DEF AT faunal change (no faunal increase)	DEF IN 1
10310 /10308	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
10370 /10368	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 2
10610 /10608	DEF AT faunal change (no faunal increase)	DEF IN 1
10730 /10728	DEF AT faunal change (no faunal increase)	DEF AT 2
10820 /10817	DEF AT faunal change (no faunal increase)	POS IN 1
10970 /10967	POS AT unconformity	DEF IN 2
11000 /10997	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
11060 /11057	DEF AT local marker benthic foram increase	DEF IN 2
11120 /11117	DEF AT faunal change (no faunal increase)	DEF AT 2
11240 /11236	DEF AT faunal change (no faunal increase)	DEF IN 1
11330 /11326	DEF AT faunal change (no faunal increase)	DEF AT 1
11959 /11955	POS AT unconformity	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 171  
Lease Number: G12836  
Well Name: A001  
API Well Number: 177034080500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 29-JUN-2005

Date of Summary: 01-MAY-1996  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: EL PASO PRODUCTION GOM INC  
Sample Range: 8000 - 13700  
Ecozone Eq MMS: Y

First Sample Examined: 8000  
Borehole MD: 13700  
Borehole TVD: 13634  
Rkb Elevation: 149  
Water Depth: 80  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11960 /11956	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
12020 /12016	DEF AT local marker benthic foram increase	DEF IN 3
12030 /12026	POS AT condensed section	DEF IN 3
12260 /12255	DEF AT faunal change (no faunal increase)	DEF AT 3
12500 /12495	DEF AT faunal change (no faunal increase)	DEF IN 2
12740 /12735	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12830 /12825	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 2
13010 /13005	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 2
13310 /13304	DEF AT faunal change (no faunal increase)	POS AT 3
13430 /13424	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 3
13520 /13514	DEF AT pyrite	DEF AT 3
13550 /13544	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 3
13700 /13694	DEF AT last sample examined	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 172	<b>Date of Summary:</b> 30-JUN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17858	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14650
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14591
<b>API Well Number:</b> 177034083700	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 80
<b>Public Info Code:</b> Y 13-DEC-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7850 / 7848	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9100 / 9095	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
11800 / 11791	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 173	Date of Summary: 30-MAR-1999	First Sample Examined: 1220
Lease Number: G16241	Source of Paleo: OPERATOR	Borehole MD: 15930
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15930
API Well Number: 177034085800	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 1220 - 15890	Water Depth: 90
Public Info Code: Y 31-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1220 / 1220	DEF AT first sample examined	DEF AT 1
6560 / 6560	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
7700 / 7700	DEF AT - - - - -	DEF AT 3
8960 / 8959	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
11690 /11688	DEF AT pyrite	DEF AT 3
12230 /12228	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
14210 /14208	DEF AT Bathysiphon fauna	DEF IN 3
14390 /14388	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
15890 /15886	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 178	Date of Summary: 26-MAY-2008	First Sample Examined: 4500
Lease Number: G27834	Source of Paleo: OPERATOR	Borehole MD: 10341
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10156
API Well Number: 177034101200	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4500 - 10320	Water Depth: 92
Public Info Code: Y 19-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4499	DEF AT first sample examined	DEF IN 1
6030 / 6029	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 1
6270 / 6269	DEF AT - - - - -	DEF AT 2
6930 / 6929	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
7080 / 7079	POS AT maximum flooding surface	DEF AT 2
8100 / 8086	DEF AT - - - - -	DEF AT 3
9120 / 9033	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
9839 / 9697	DEF AT salt	DEF AT 4
9840 / 9697	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
9899 / 9752	DEF AT salt	DEF AT 4
9900 / 9753	POS AT maximum flooding surface	DEF AT 4
10320 / 10137	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 178	Date of Summary: 29-MAY-2008	First Sample Examined: 9990
Lease Number: G27834	Source of Paleo: OPERATOR	Borehole MD: 12203
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11735
API Well Number: 177034101201	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 9990 - 12180	Water Depth: 92
Public Info Code: Y 19-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9990 / 9967	DEF AT first sample examined	DEF IN 3
10140 /10104	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 3
10439 /10361	POS AT maximum flooding surface	DEF AT 4
10440 /10362	DEF AT - - - - -	DEF AT 4
10470 /10386	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
10590 /10480	DEF AT - - - - -	DEF AT 3
11370 /11086	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11430 /11133	POS AT maximum flooding surface	DEF AT 3
11849 /11460	POS AT maximum flooding surface	DEF AT 3
11850 /11460	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
12180 /11717	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 178	Date of Summary: 07-NOV-2008	First Sample Examined: 11890
Lease Number: G27834	Source of Paleo: OPERATOR	Borehole MD: 12375
Well Name: D001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11835
API Well Number: 177034101202	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 11890 - 12370	Water Depth: 92
Public Info Code: Y 19-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11890 /11481	DEF AT first sample examined	DEF AT 3
11950 /11525	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
12190 /11699	DEF AT - - - - -	POS AT 4
12220 /11721	DEF AT Upper Miocene (Messinian) Textularia tatumi	POS AT 4
12340 /11809	POS AT Upper Miocene (Messinian) Bolivina denticulata	POS AT 4
12370 /11831	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 184	Date of Summary: 23-OCT-2001	First Sample Examined: 0
Lease Number: G22585	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12409
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11952
API Well Number: 177034091300	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 11-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11016 /10577	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 185	Date of Summary: 12-JUL-1996	First Sample Examined: 0
Lease Number: G05377	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10994
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10403
API Well Number: 177034080700	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 95
Public Info Code: Y 08-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9650 / 9466	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9960 / 9694	DEF AT salt stringer	DEF AT
10145 / 9821	DEF AT salt	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 185	Date of Summary: 17-JUL-1996	First Sample Examined: 0
Lease Number: G05377	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10613
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10351
API Well Number: 177034080701	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 95
Public Info Code: Y 08-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9700 / 9587	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10343 /10128	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 185	Date of Summary: 22-OCT-1997	First Sample Examined: 0
Lease Number: G05377	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11968
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 11396
API Well Number: 177034080901	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 95
Public Info Code: Y 08-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10110 / 9748	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 185	Date of Summary: 05-SEP-2002	First Sample Examined: 8000
Lease Number: G22585	Source of Paleo: OPERATOR	Borehole MD: 15100
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14923
API Well Number: 177034093401	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 8000 - 15015	Water Depth: 94
Public Info Code: Y 19-JUL-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7997	DEF AT first sample examined	DEF IN 3
8090 / 8087	DEF AT sample gap top	DEF IN 3
8210 / 8207	DEF AT sample gap bottom	DEF IN 3
8300 / 8297	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 3
9800 / 9796	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
9829 / 9825	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
9830 / 9826	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
10550 /10528	DEF AT sample gap top	DEF AT 4
10760 /10723	DEF AT sample gap bottom	DEF AT 4
10970 /10913	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
11570 /11442	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
11750 /11606	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
11870 /11718	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
12020 /11860	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
12440 /12269	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
14480 /14303	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
14840 /14663	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
15015 /14838	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 187  
 Lease Number: G22586  
 Well Name: 001  
 API Well Number: 177034092000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-MAY-2006

Date of Summary: 22-FEB-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: MURPHY EXPLORATION & PRODUCTIO  
 Sample Range: 8020 - 13160  
 Ecozone Eq MMS: Y

First Sample Examined: 13160  
 Borehole MD: 13249  
 Borehole TVD: 12673  
 Rkb Elevation: 98  
 Water Depth: 91  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8020 / 8019	DEF AT first sample examined	DEF AT 2
8370 / 8369	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
11320 /11032	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
12399 /11949	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
12400 /11950	POS AT Lower Pliocene (Zanclian) Cibicides marsi	POS AT 4
13160 /12598	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 188  
 Lease Number: G13586  
 Well Name: C001  
 API Well Number: 177034064200  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 27-SEP-2000

Date of Summary: 04-JUN-1993  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: HESS CORPORATION  
 Sample Range: 4020 - 10902  
 Ecozone Eq MMS: Y

First Sample Examined: 4020  
 Borehole MD: 10902  
 Borehole TVD: 7328  
 Rkb Elevation: 98  
 Water Depth: 91  
 Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 3346	DEF AT first sample examined	DEF AT 1
6330 / 4688	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 2
7020 / 5088	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
9660 / 6578	DEF AT local marker benthic foram increase	DEF AT 3
9900 / 6716	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10860 / 7302	POS AT domal material	DEF AT 3
10902 / 7328	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 188	Date of Summary: 07-JUN-1993	First Sample Examined: 7500
Lease Number: G13586	Source of Paleo: OPERATOR	Borehole MD: 10902
Well Name: C001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7328
API Well Number: 177034064200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 98
Paleo Report Num: 2 of 2	Sample Range: 7500 - 10902	Water Depth: 91
Public Info Code: Y 27-SEP-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 5378	DEF AT first sample examined	DEF AT
7501 / 5379	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9660 / 6578	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9930 / 6734	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10902 / 7328	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 188  
Lease Number: G13586  
Well Name: C002  
API Well Number: 177034064400  
Paleo Report Num: 1 of 2  
Public Info Code: Y 27-SEP-2000

Date of Summary: 20-JUL-1993  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 3460 - 7990  
Ecozone Eq MMS: Y

First Sample Examined: 3460  
Borehole MD: 8000  
Borehole TVD: 7199  
Rkb Elevation: 98  
Water Depth: 91  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3460 / 3460	DEF AT first sample examined	DEF AT 1
3490 / 3490	DEF IN Turtle Grass fauna = Amphistegina Mound	DEF AT 1
5650 / 5523	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	POS AT 2
6430 / 6096	DEF AT pyrite	DEF AT 3
6460 / 6118	DEF AT local marker foram increase	DEF AT 3
6760 / 6332	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7060 / 6545	DEF AT local marker planktic foram increase	DEF AT 3
7690 / 6985	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 3
7990 / 7192	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 188	Date of Summary: 22-JUL-1993	First Sample Examined: 7000
Lease Number: G13586	Source of Paleo: OPERATOR	Borehole MD: 8000
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7199
API Well Number: 177034064400	Drilling Operator: HESS CORPORATION	Rkb Elevation: 98
Paleo Report Num: 2 of 2	Sample Range: 7000 - 7990	Water Depth: 91
Public Info Code: Y 27-SEP-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6503	DEF AT first sample examined	DEF AT
7001 / 6503	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
7990 / 7192	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 188	Date of Summary: 20-JUL-1993	First Sample Examined: 5000
Lease Number: G13586	Source of Paleo: OPERATOR	Borehole MD: 9560
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7764
API Well Number: 177034064401	Drilling Operator: HESS CORPORATION	Rkb Elevation: 198
Paleo Report Num: 1 of 2	Sample Range: 5000 - 9560	Water Depth: 91
Public Info Code: Y 27-SEP-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 4780	DEF AT first sample examined	DEF AT 1
5840 / 5315	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
7670 / 6507	DEF AT local marker benthic foram increase	DEF AT 3
7760 / 6565	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9560 / 7765	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 188	Date of Summary: 22-JUL-1993	First Sample Examined: 6020
Lease Number: G13586	Source of Paleo: OPERATOR	Borehole MD: 9560
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7764
API Well Number: 177034064401	Drilling Operator: HESS CORPORATION	Rkb Elevation: 198
Paleo Report Num: 2 of 2	Sample Range: 6020 - 9560	Water Depth: 91
Public Info Code: Y 27-SEP-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 5433	DEF AT first sample examined	DEF AT
6290 / 5615	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6380 / 5676	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6860 / 5990	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9560 / 7765	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 189	Date of Summary: 03-DEC-1991	First Sample Examined: 0
Lease Number: G08650	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6300
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 5657
API Well Number: 177034062000	Drilling Operator: KOCH INDUSTRIES INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 28-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5949 / 5308	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6210 / 5567	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 190	Date of Summary: 02-FEB-1998	First Sample Examined: 0
Lease Number: G17859	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11034
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10960
API Well Number: 177034084200	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 30-JUN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7281 / 7278	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
10258 / 10227	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 193	Date of Summary: 30-JUL-1997	First Sample Examined: 4500
Lease Number: G08651	Source of Paleo: OPERATOR	Borehole MD: 7560
Well Name: C001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 6781
API Well Number: 177034082700	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 4500 - 7560	Water Depth: 99
Public Info Code: Y 02-JUN-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 7440=Upper Miocene Polyperibola christiani LAD (7.2 my)

MD / TVD	Paleo Top Description	Ecozone
4500 / 4213	DEF AT first sample examined	DEF AT 1
4501 / 4214	POS IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 1
5220 / 4826	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
5310 / 4902	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
5430 / 5004	DEF AT faunal change (no faunal increase)	DEF AT 2
5970 / 5462	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 2
6000 / 5487	DEF AT faunal change (no faunal increase)	DEF AT 1
6180 / 5635	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
6598 / 5977	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
6599 / 5978	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
6600 / 5979	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 3
6930 / 6252	DEF AT faunal change (no faunal increase)	POS AT 3
7020 / 6328	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 3
7199 / 6479	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
7200 / 6480	DEF AT Upper Miocene (Messinian) Textularia tatumi	POS AT 3
7260 / 6531	DEF AT faunal change (no faunal increase)	DEF AT 3
7440 / 6681	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
7530 / 6756	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 195	Date of Summary: 18-JUL-1969	First Sample Examined: 7010
Lease Number: G00958	Source of Paleo: OPERATOR	Borehole MD: 12749
Well Name: 002	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12749
API Well Number: 177030023000	Drilling Operator: BURMAH OIL & GAS COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 7010 - 12750	Water Depth: 40
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7010 /	DEF AT first sample examined	DEF AT
7910 /	DEF AT local marker benthic foram increase	DEF AT
8030 /	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
8600 /	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT
9600 /	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT
10080 /	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11880 /	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT
12750 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 195	Date of Summary: 15-JUL-1970	First Sample Examined: 12870
Lease Number: G00959	Source of Paleo: OPERATOR	Borehole MD: 13355
Well Name: A002	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12954
API Well Number: 177032002300	Drilling Operator: AMINOIL INC.	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 12870 - 13340	Water Depth: 102
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12870 /12488	DEF AT first sample examined	DEF AT
12871 /12489	DEF AT Eggerella sp. (local marker)	DEF AT
13340 /12945	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 196	Date of Summary: 28-OCT-1997	First Sample Examined: 0
Lease Number: G16244	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13300
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12383
API Well Number: 177034082800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 100
Public Info Code: Y 20-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11942 /11593	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 198	Date of Summary: 22-OCT-1997	First Sample Examined: 4540
Lease Number: G16246	Source of Paleo: OPERATOR	Borehole MD: 10162
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9278
API Well Number: 177034084000	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4540 - 10162	Water Depth: 105
Public Info Code: Y 30-MAY-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4540 / 4540	DEF AT first sample examined	DEF AT 1
5740 / 5740	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6370 / 6369	DEF AT Arenaceous fauna (local marker)	DEF AT 2
7240 / 7195	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7510 / 7432	DEF AT local marker foram decrease	DEF AT 2
8890 / 8432	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9340 / 8733	DEF AT local marker benthic foram increase	DEF AT 3
10000 / 9172	DEF AT local marker benthic foram increase	DEF AT 3
10162 / 9278	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 204	Date of Summary: 15-JUL-1969	First Sample Examined: 5000
Lease Number: G00959	Source of Paleo: OPERATOR	Borehole MD: 12949
Well Name: 001	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12949
API Well Number: 177030022800	Drilling Operator: BURMAH OIL & GAS COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 5000 - 12950	Water Depth: 107
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 /	DEF AT first sample examined	DEF AT
6180 /	DEF AT local marker benthic foram increase	DEF AT
7200 /	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
8192 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8193 /	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT
8758 /	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT
9524 /	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
9525 /	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
11240 /	DEF AT Arenaceous fauna (local marker)	DEF AT
11360 /	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT
12830 /	DEF AT Eggerella 3 (local marker)	DEF AT
12950 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 208	Date of Summary: 08-JAN-1998	First Sample Examined: 0
Lease Number: G17861	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8099
API Well Number: 177034084400	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 102
Public Info Code: Y 31-MAY-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5800 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6400 /	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 211	<b>Date of Summary:</b> 17-JUL-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21072	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10337
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10237
<b>API Well Number:</b> 177034088100	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 115
<b>Public Info Code:</b> Y 31-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6270 / 6268	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6870 / 6868	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7350 / 7348	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8580 / 8578	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
9660 / 9632	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
9750 / 9716	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 215	<b>Date of Summary:</b> 02-AUG-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12839	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 5950
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5950
<b>API Well Number:</b> 177034080300	<b>Drilling Operator:</b> DEVON SFS OPERATING INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 114
<b>Public Info Code:</b> Y 29-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5768 / 5768	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 222	Date of Summary: 15-NOV-1993	First Sample Examined: 0
Lease Number: G02037	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9863
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 9859
API Well Number: 177034063100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 24-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8845 / 8842	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 222  
 Lease Number: G02037  
 Well Name: C001  
 API Well Number: 177034068200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 06-AUG-2005

Date of Summary: 07-SEP-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: BP AMERICA PRODUCTION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14429  
 Borehole TVD: 14428  
 Rkb Elevation: 95  
 Water Depth: 118  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8500	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT
11100 /11099	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12880 /12879	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
13360 /13359	DEF AT local marker benthic foram increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 261	Date of Summary: 22-MAR-2000	First Sample Examined: 0
Lease Number: G00971	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8168
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6338
API Well Number: 177042000801	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 160
Public Info Code: Y 25-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4067 / 3345	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6950 / 5446	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 269	<b>Date of Summary:</b> 25-AUG-2006	<b>First Sample Examined:</b> 12560
<b>Lease Number:</b> G24807	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16859
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16846
<b>API Well Number:</b> 177044108201	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 125
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12560 - 16859	<b>Water Depth:</b> 173
<b>Public Info Code:</b> Y 30-APR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12560 /12556	DEF AT first sample examined	DEF IN 3
12750 /12746	DEF AT maximum flooding surface	DEF AT 3
12780 /12776	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
12810 /12806	DEF AT - - - - -	DEF AT 3
13260 /13255	DEF AT Bathysiphon fauna	DEF AT 3
13319 /13314	DEF AT maximum flooding surface	DEF AT 3
13320 /13315	DEF AT Bathysiphon fauna	DEF AT 3
13350 /13345	DEF AT - - - - -	DEF AT 4
13650 /13645	DEF AT Bathysiphon fauna	DEF AT 4
14420 /14414	DEF AT Bathysiphon fauna	DEF AT 4
14860 /14854	DEF AT Bathysiphon fauna	DEF AT 4
15650 /15643	DEF AT Bathysiphon fauna	DEF AT 4
15659 /15651	DEF AT maximum flooding surface	DEF AT 4
15660 /15652	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15810 /15802	DEF AT - - - - -	DEF AT 4
16670 /16658	DEF AT Bathysiphon fauna	DEF AT 4
16859 /16846	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 272	<b>Date of Summary:</b> 18-AUG-1997	<b>First Sample Examined:</b> 7300
<b>Lease Number:</b> G02047	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9505
<b>Well Name:</b> H009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7531
<b>API Well Number:</b> 177044094500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 121
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7300 - 9300	<b>Water Depth:</b> 182
<b>Public Info Code:</b> Y 03-FEB-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 5581	DEF AT first sample examined	DEF AT 1
8670 / 6783	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 1
9150 / 7213	DEF AT - - - - -	DEF AT 2
9180 / 7240	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 2
9240 / 7294	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 2
9300 / 7347	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 277	<b>Date of Summary:</b> 14-JAN-2004	<b>First Sample Examined:</b> 13672
<b>Lease Number:</b> G24808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13784
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13777
<b>API Well Number:</b> 177044104700	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13672 - 13754	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 18-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13672 /13666	DEF AT first sample examined	DEF AT 4
13673 /13667	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
13674 /13668	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
13753 /13746	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
13754 /13747	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 281	Date of Summary: 20-MAY-1991	First Sample Examined: 6900
Lease Number: G02050	Source of Paleo: OPERATOR	Borehole MD: 16233
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 13520
API Well Number: 177044073200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 3	Sample Range: 4800 - 12420	Water Depth: 170
Public Info Code: Y 14-NOV-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6900 / 6899	DEF AT first sample examined	DEF AT 1
7770 / 7769	DEF AT -----	DEF AT 3
8160 / 8159	DEF AT -----	DEF AT 2
10080 / 9996	DEF AT -----	DEF AT 3
10260 /10147	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
11820 /11137	DEF AT -----	DEF AT 2
12420 /11443	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 281	Date of Summary: 05-SEP-1991	First Sample Examined: 11760
Lease Number: G02050	Source of Paleo: OPERATOR	Borehole MD: 16233
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 13520
API Well Number: 177044073200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 93
Paleo Report Num: 2 of 3	Sample Range: 11760 - 13425	Water Depth: 170
Public Info Code: Y 14-NOV-2000	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack 1 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11760 /11107	DEF AT first sample examined	DEF IN 3
11820 /11137	DEF AT -----	DEF AT 2
12690 /11579	DEF AT -----	DEF AT 3
13290 /11888	DEF AT -----	DEF AT 2
13425 /11961	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 281	Date of Summary: 05-SEP-1991	First Sample Examined: 13050
Lease Number: G02050	Source of Paleo: OPERATOR	Borehole MD: 16233
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 13520
API Well Number: 177044073200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 93
Paleo Report Num: 3 of 3	Sample Range: 13050 - 16230	Water Depth: 170
Public Info Code: Y 14-NOV-2000	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Sidetrack 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13050 /11759	DEF AT first sample examined	DEF IN 3
13290 /11888	DEF AT -----	DEF AT 2
14280 /12411	DEF AT -----	DEF AT 3
15000 /12820	DEF AT -----	DEF AT 6
15150 /12905	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
16230 /13518	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 281  
Lease Number: G02050  
Well Name: 008  
API Well Number: 177044106000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-SEP-2011

Date of Summary: 02-MAR-2005  
Source of Paleo: OPERATOR  
Paleo Done By: BANE AND SCHUNICK  
Drilling Operator: STONE ENERGY CORPORATION  
Sample Range: 4500 - 13643  
Ecozone Eq MMS: Y

First Sample Examined: 4500  
Borehole MD: 13645  
Borehole TVD: 13636  
Rkb Elevation: 95  
Water Depth: 175  
Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4500 / 4500	DEF AT first sample examined	DEF AT 1
4890 / 4890	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 1
5100 / 5100	POS AT local marker benthic foram increase	DEF AT 2
5220 / 5220	DEF AT -----	DEF AT 1
5250 / 5250	DEF AT -----	DEF AT 2
5310 / 5310	DEF AT -----	DEF AT 1
5400 / 5400	DEF AT -----	DEF AT 2
5430 / 5430	DEF AT -----	DEF AT 1
5490 / 5490	DEF AT -----	DEF AT 2
5520 / 5520	DEF AT -----	DEF AT 1
5550 / 5550	DEF AT -----	DEF AT 2
5580 / 5580	DEF AT local marker foram increase	DEF AT 2
5610 / 5610	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5700 / 5700	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 2
5880 / 5880	DEF AT -----	DEF IN 2
5910 / 5910	DEF AT -----	DEF AT 2
6300 / 6300	DEF AT -----	DEF AT 1
6600 / 6600	DEF AT -----	DEF AT 2
7290 / 7290	DEF AT -----	DEF AT 1
7920 / 7920	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
8160 / 8160	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
8220 / 8220	DEF AT -----	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 281	Date of Summary: 02-MAR-2005	First Sample Examined: 4500
Lease Number: G02050	Source of Paleo: OPERATOR	Borehole MD: 13645
Well Name: 008	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13636
API Well Number: 177044106000	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4500 - 13643	Water Depth: 175
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8280	DEF AT -----	DEF AT 2
8880 / 8879	DEF AT local marker foram increase	DEF AT 3
8910 / 8909	DEF AT -----	DEF IN 2
9060 / 9059	DEF AT local marker foram increase	DEF AT 3
9090 / 9089	DEF AT -----	DEF IN 2
9150 / 9149	DEF AT -----	DEF AT 2
9870 / 9869	DEF AT local marker foram increase	DEF AT 2
10110 /10109	DEF AT Arenaceous fauna (local marker)	DEF AT 2
10260 /10259	POS AT local marker foram increase	DEF AT 2
10650 /10649	DEF AT -----	DEF AT 1
10680 /10679	DEF AT -----	DEF AT 2
10770 /10769	DEF AT -----	DEF AT 1
11040 /11039	DEF AT local marker foram increase	DEF AT 2
11400 /11398	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 2
11490 /11488	DEF AT -----	DEF AT 3
11580 /11578	DEF AT -----	DEF IN 2
11640 /11638	DEF AT -----	DEF AT 2
11820 /11818	POS AT local marker foram increase	DEF IN 2
11910 /11908	DEF AT -----	DEF AT 3
11940 /11938	DEF AT -----	DEF IN 2
11970 /11968	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 2
12210 /12208	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 2
12300 /12298	DEF AT Cyclammina sp. (local marker)	DEF IN 2
12390 /12387	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 281	Date of Summary: 02-MAR-2005	First Sample Examined: 4500
Lease Number: G02050	Source of Paleo: OPERATOR	Borehole MD: 13645
Well Name: 008	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13636
API Well Number: 177044106000	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4500 - 13643	Water Depth: 175
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12420 /12417	DEF AT -----	DEF IN 2
12480 /12477	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12510 /12507	DEF AT -----	DEF AT 2
12780 /12777	POS AT faunal change (no faunal increase)	DEF IN 2
12810 /12807	DEF AT -----	DEF AT 2
12900 /12897	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
13080 /13076	POS AT Arenaceous fauna (local marker)	DEF AT 2
13470 /13463	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 2
13500 /13493	DEF AT -----	DEF AT 3
13547 /13540	DEF AT anhydrite	DEF IN 2
13643 /13635	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 284	Date of Summary: 01-JUN-2000	First Sample Examined: 8880
Lease Number: G17873	Source of Paleo: OPERATOR	Borehole MD: 16852
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16847
API Well Number: 177044100200	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 8880 - 16830	Water Depth: 177
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8880 / 8879	DEF AT first sample examined	DEF AT
8881 / 8880	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8882 / 8881	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
8910 / 8909	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13110 /13108	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13650 /13648	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13680 /13678	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
16830 /16825	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 285	Date of Summary: 18-MAY-2001	First Sample Examined: 0
Lease Number: G21075	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11227
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11217
API Well Number: 177044102000	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 186
Public Info Code: Y 30-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6973 / 6972	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8310 / 8309	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 294	Date of Summary: 26-MAR-2001	First Sample Examined: 0
Lease Number: G17874	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6754
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 4600
API Well Number: 177044101600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 190
Public Info Code: Y 29-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2432 / 2352	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 305	Date of Summary: 17-SEP-2001	First Sample Examined: 0
Lease Number: G16270	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5903
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 5443
API Well Number: 177044100900	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 197
Public Info Code: Y 29-MAY-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5054 / 4688	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 313	<b>Date of Summary:</b> 01-JUN-2006	<b>First Sample Examined:</b> 5340
<b>Lease Number:</b> G24815	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9771
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 9400
<b>API Well Number:</b> 177044108100	<b>Drilling Operator:</b> MARLIN COASTAL, LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5340 - 9771	<b>Water Depth:</b> 187
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Firefly Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5181	DEF AT first sample examined	DEF IN 1
5370 / 5209	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 1
5400 / 5236	DEF AT - - - - -	DEF AT 2
5580 / 5397	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	POS AT 3
5639 / 5450	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 3
5640 / 5451	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
5759 / 5560	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
5760 / 5561	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
5820 / 5617	DEF AT local marker foram decrease	DEF AT 3
5970 / 5757	DEF AT sample gap top	DEF AT 3
6090 / 5871	DEF AT sample gap bottom	DEF AT 2
6390 / 6159	DEF AT - - - - -	DEF IN 1
6450 / 6217	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 1
6660 / 6418	DEF AT - - - - -	DEF IN 1
6930 / 6678	DEF AT - - - - -	DEF AT 1
7110 / 6852	DEF AT local marker benthic foram increase	DEF AT 1
7470 / 7197	DEF AT - - - - -	DEF IN 1
7740 / 7454	DEF AT local marker benthic foram increase	DEF IN 1
7770 / 7482	DEF AT local marker benthic foram increase	DEF IN 1
7800 / 7511	DEF AT pyrite	DEF IN 1
7830 / 7539	DEF AT - - - - -	POS AT 1
9059 / 8713	POS AT out-of-place section	POS AT 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 313	<b>Date of Summary:</b> 01-JUN-2006	<b>First Sample Examined:</b> 5340
<b>Lease Number:</b> G24815	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9771
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 9400
<b>API Well Number:</b> 177044108100	<b>Drilling Operator:</b> MARLIN COASTAL, LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5340 - 9771	<b>Water Depth:</b> 187
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9060 / 8714	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 1
9660 / 9293	DEF AT local marker benthic foram increase	DEF AT 1
9750 / 9380	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EC 313	<b>Date of Summary:</b> 02-JUN-2006	<b>First Sample Examined:</b> 5370
<b>Lease Number:</b> G24815	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9771
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 9400
<b>API Well Number:</b> 177044108100	<b>Drilling Operator:</b> MARLIN COASTAL, LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5370 - 9780	<b>Water Depth:</b> 187
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Firefly Prospect, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5370 / 5209	DEF AT first sample examined	DEF AT
5371 / 5209	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5610 / 5424	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
5970 / 5757	DEF AT sample gap top	DEF AT
6089 / 5871	DEF AT sample gap bottom	DEF AT
6090 / 5871	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
6450 / 6217	POS AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
7020 / 6765	DEF AT reworked material	DEF AT
9780 /	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 320  
Lease Number: G10636  
Well Name: 001  
API Well Number: 177044073502  
Paleo Report Num: 1 of 1  
Public Info Code: Y 07-DEC-2000

Date of Summary: 20-NOV-1990  
Source of Paleo: OPERATOR  
Paleo Done By: CROSBIE-MACOMBER  
Drilling Operator: FMP OPERATING COMPANY A LIMIT  
Sample Range: 4240 - 8230  
Ecozone Eq MMS: Y

First Sample Examined: 4240  
Borehole MD: 8249  
Borehole TVD: 7966  
Rkb Elevation: 100  
Water Depth: 225  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
4240 / 4240	DEF AT first sample examined	POS	AT	1
4480 / 4479	DEF AT faunal change (no faunal increase)	DEF	AT	1
4870 / 4868	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	1
5050 / 5046	DEF AT poor sample interval top	DEF	AT	1
7119 / 6952	DEF AT poor sample interval bottom	DEF	AT	1
7120 / 6953	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	2
7450 / 7249	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	2
7840 / 7599	DEF AT faunal change (no faunal increase)	DEF	AT	1
8230 / 7949	DEF AT last sample examined	DEF	AT	1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 321	<b>Date of Summary:</b> 06-SEP-1991	<b>First Sample Examined:</b> 5284
<b>Lease Number:</b> G02061	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9220
<b>Well Name:</b> B017	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8054
<b>API Well Number:</b> 177044074900	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 113
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5284 - 9220	<b>Water Depth:</b> 232
<b>Public Info Code:</b> Y 30-SEP-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5284 / 4709	DEF AT first sample examined	DEF AT 3
5430 / 4831	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
5640 / 5005	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
9220 / 8054	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 324	Date of Summary: 27-DEC-1995	First Sample Examined: 1058
Lease Number: G02255	Source of Paleo: OPERATOR	Borehole MD: 6266
Well Name: 008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 4463
API Well Number: 177044082201	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 1058 - 6266	Water Depth: 199
Public Info Code: Y 21-JAN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1058 / 1056	DEF AT first sample examined	DEF AT 2
1320 / 1314	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
1830 / 1721	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
2070 / 1832	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
2670 / 2005	DEF AT local marker foram increase	DEF AT 3
3450 / 2289	DEF AT pyrite	DEF AT 3
3480 / 2304	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 3
3510 / 2320	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
3540 / 2337	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6266 / 4463	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 328  
Lease Number: G10638  
Well Name: 002  
API Well Number: 177044095600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 09-JUL-2007

Date of Summary: 06-JUN-1999  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: ARENA OFFSHORE LP  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 9400  
Borehole TVD: 9387  
Rkb Elevation: 90  
Water Depth: 252  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5940 / 5938	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
6540 / 6538	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6630 / 6628	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
7530 / 7526	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
7950 / 7944	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8130 / 8124	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
8190 / 8183	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
8370 / 8363	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
8460 / 8452	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
8760 / 8751	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
8970 / 8959	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 328	Date of Summary: 31-JAN-1995	First Sample Examined: 0
Lease Number: G10638	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4000
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 4000
API Well Number: 177044080800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 243
Public Info Code: Y 31-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3350 / 3350	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 328	Date of Summary: 16-JUL-1993	First Sample Examined: 0
Lease Number: G10638	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4465
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 2925
API Well Number: 177044078000	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 69
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 242
Public Info Code: Y 26-JUN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3502 / 2200	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4094 / 2637	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 332	Date of Summary: 04-AUG-1995	First Sample Examined: 0
Lease Number: G08658	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13140
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 11486
API Well Number: 177044076700	Drilling Operator: FMP OPERATING COMPANY A LIMIT	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 250
Public Info Code: Y 09-JAN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10250 / 9001	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12110 /10614	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 332	<b>Date of Summary:</b> 23-FEB-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08658	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13615
<b>Well Name:</b> A009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9322
<b>API Well Number:</b> 177044079400	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 250
<b>Public Info Code:</b> Y 13-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11880 / 8145	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
12240 / 8382	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 332	<b>Date of Summary:</b> 06-AUG-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09478	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13452
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10782
<b>API Well Number:</b> 177044076000	<b>Drilling Operator:</b> FMP OPERATING COMPANY A LIMIT	<b>Rkb Elevation:</b> 122
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 250
<b>Public Info Code:</b> Y 04-AUG-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9600 / 7939	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10620 / 8690	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 332  
 Lease Number: G09478  
 Well Name: A002  
 API Well Number: 177044076200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 02-NOV-2002

Date of Summary: 10-JAN-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: FMP OPERATING COMPANY A LIMIT  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13719  
 Borehole TVD: 11632  
 Rkb Elevation: 99  
 Water Depth: 250  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8920 / 7784	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
9970 / 8658	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12230 / 10488	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 344  
 Lease Number: G17878  
 Well Name: A001  
 API Well Number: 177044100400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 05-APR-2010

Date of Summary: 20-FEB-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: REMINGTON OIL AND GAS CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13847  
 Borehole TVD: 13452  
 Rkb Elevation: 90  
 Water Depth: 308  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13470 /13091	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
13680 /13292	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
13740 /13350	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 344	Date of Summary: 16-FEB-2001	First Sample Examined: 0
Lease Number: G17878	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12755
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12380
API Well Number: 177044101002	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 63
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 308
Public Info Code: Y 09-FEB-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12052 /11717	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 345	Date of Summary: 11-OCT-2001	First Sample Examined: 0
Lease Number: G15158	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13241
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8314
API Well Number: 177044102900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 320
Public Info Code: Y 18-SEP-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4715 / 3888	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
12796 / 8082	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 346	Date of Summary: 03-MAR-2005	First Sample Examined: 4500
Lease Number: G06655	Source of Paleo: OPERATOR	Borehole MD: 16627
Well Name: A012	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15979
API Well Number: 177044105900	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 4500 - 16627	Water Depth: 306
Public Info Code: Y 25-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4500 / 4500	DEF AT first sample examined	DEF AT 3
4501 / 4501	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4740 / 4740	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
5220 / 5220	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
5460 / 5460	DEF AT - - - - -	DEF AT 4
5610 / 5610	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
6390 / 6390	DEF AT - - - - -	DEF AT 5
6450 / 6450	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6600 / 6600	DEF AT - - - - -	DEF AT 4
7560 / 7556	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
7650 / 7644	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
8400 / 8344	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8490 / 8425	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10560 /10316	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10680 /10427	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10950 /10677	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11160 /10873	DEF AT - - - - -	DEF IN 5
11280 /10986	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11370 /11070	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11460 /11153	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
11490 /11181	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11760 /11428	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 346	Date of Summary: 03-MAR-2005	First Sample Examined: 4500
Lease Number: G06655	Source of Paleo: OPERATOR	Borehole MD: 16627
Well Name: A012	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15979
API Well Number: 177044105900	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 4500 - 16627	Water Depth: 306
Public Info Code: Y 25-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13110 /12661	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
13350 /12881	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
13380 /12908	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
13410 /12936	DEF AT -----	DEF AT 5
13980 /13458	DEF AT -----	DEF IN 5
14100 /13567	DEF AT -----	DEF AT 5
14370 /13816	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
14700 /14129	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15210 /14618	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
15240 /14647	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15300 /14705	DEF AT -----	DEF AT 6
15330 /14733	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
15689 /15079	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
15690 /15080	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
15720 /15108	DEF AT -----	DEF AT 5
16049 /15424	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
16050 /15425	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
16080 /15454	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16170 /15540	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
16500 /15857	DEF AT -----	DEF AT 6
16627 /15979	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 346	<b>Date of Summary:</b> 03-MAR-2005	<b>First Sample Examined:</b> 16410
<b>Lease Number:</b> G06655	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18663
<b>Well Name:</b> A012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17330
<b>API Well Number:</b> 177044105901	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 126
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16410 - 18663	<b>Water Depth:</b> 306
<b>Public Info Code:</b> Y 05-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16410 /15150	DEF AT first sample examined	DEF AT 6
16680 /15401	DEF IN Upper Miocene (Tortonian) <i>Uvigerina</i> 3	DEF AT 6
16770 /15486	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi robusta</i>	DEF AT 6
16860 /15572	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi lobata</i>	DEF AT 6
17130 /15833	DEF AT - - - - -	DEF AT 5
17220 /15921	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi fohsi</i>	DEF AT 5
17250 /15950	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT 5
17280 /15979	DEF AT Middle Miocene (Serravallian) <i>Praeorbulina glomerosa</i>	DEF AT 5
17340 /16036	POS AT Middle Miocene (Serravallian) <i>Cibicides opima</i>	DEF AT 5
17610 /16297	DEF AT - - - - -	DEF AT 6
18270 /16940	DEF AT - - - - -	DEF AT 5
18360 /17029	POS AT Middle Miocene (Langhian) <i>Globigerinatella insueta</i>	DEF AT 5
18663 /17330	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 347	<b>Date of Summary:</b> 15-SEP-1999	<b>First Sample Examined:</b> 5510
<b>Lease Number:</b> G14383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15814
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15600
<b>API Well Number:</b> 177044099600	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5510 - 15814	<b>Water Depth:</b> 296
<b>Public Info Code:</b> Y 05-SEP-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 8960=salt and mixed Miocene and Oligocene nannoflora, 9800=base of salt with mixed Eocene and Oligocene flora, 10250=probably marks base of jumbled or displaced section, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5510 / 5507	DEF AT first sample examined	DEF AT
5540 / 5537	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6020 / 6014	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7190 / 7183	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7279 / 7272	DEF AT salt weld	DEF AT
7280 / 7273	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7459 / 7452	DEF AT salt weld	DEF AT
7460 / 7453	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7760 / 7753	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7850 / 7843	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
7880 / 7873	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7900 / 7893	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7940 / 7933	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
8300 / 8293	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
8480 / 8473	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8630 / 8623	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8840 / 8833	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
8960 / 8953	DEF AT salt	DEF AT
9799 / 9790	DEF AT base of salt	DEF AT
9800 / 9791	POS IN out-of-place section	DEF AT
9830 / 9821	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 347	<b>Date of Summary:</b> 15-SEP-1999	<b>First Sample Examined:</b> 5510
<b>Lease Number:</b> G14383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15814
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15600
<b>API Well Number:</b> 177044099600	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5510 - 15814	<b>Water Depth:</b> 296
<b>Public Info Code:</b> Y 05-SEP-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10250 /10234	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10760 /10734	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11270 /11226	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11390 /11342	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11540 /11486	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11930 /11861	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11990 /11918	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12769 /12665	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12770 /12666	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13100 /12981	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
13220 /13096	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13490 /13355	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
15814 /15600	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 347	Date of Summary: 17-SEP-1999	First Sample Examined: 1700
Lease Number: G14383	Source of Paleo: OPERATOR	Borehole MD: 15814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15600
API Well Number: 177044099600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 1700 - 15814	Water Depth: 296
Public Info Code: Y 05-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1700 / 1700	DEF AT first sample examined	DEF AT 2
2420 / 2420	DEF AT - - - - -	DEF AT 3
2510 / 2510	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4100 / 4100	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
5780 / 5776	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
6920 / 6913	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7190 / 7183	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 4
7399 / 7392	POS AT out-of-place section	DEF AT 5
7400 / 7393	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
7849 / 7842	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7850 / 7843	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
7880 / 7873	POS AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
7899 / 7892	POS AT out-of-place section	DEF AT 5
7939 / 7932	POS AT out-of-place section	DEF AT 6
7940 / 7933	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8569 / 8562	POS AT out-of-place section	DEF AT 6
8570 / 8563	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8750 / 8743	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
9020 / 9013	DEF AT salt	DEF AT 6
9770 / 9761	DEF AT base of salt	DEF AT 6
9830 / 9821	DEF AT out-of-place section	DEF AT 5
10429 / 10410	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 347  
Lease Number: G14383  
Well Name: 001  
API Well Number: 177044099600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 05-SEP-2009

Date of Summary: 17-SEP-1999  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 1700 - 15814  
Ecozone Eq MMS: Y

First Sample Examined: 1700  
Borehole MD: 15814  
Borehole TVD: 15600  
Rkb Elevation: 100  
Water Depth: 296  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10430 /10411	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10520 /10499	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10760 /10734	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11270 /11226	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
11299 /11254	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
11300 /11255	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11480 /11428	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11630 /11573	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11960 /11890	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12170 /12091	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
12680 /12580	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12769 /12665	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
12770 /12666	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13190 /13067	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13430 /13297	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
13610 /13470	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
13760 /13614	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 5
13820 /13672	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 5
14090 /13932	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
14720 /14544	DEF AT local marker deep water fauna	DEF AT 6
15139 /14947	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 6
15140 /14948	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
15200 /15006	POS AT local marker foram decrease	DEF AT 5
15260 /15064	DEF AT Bathysiphon fauna	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 347	<b>Date of Summary:</b> 17-SEP-1999	<b>First Sample Examined:</b> 1700
<b>Lease Number:</b> G14383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15814
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15600
<b>API Well Number:</b> 177044099600	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1700 - 15814	<b>Water Depth:</b> 296
<b>Public Info Code:</b> Y 05-SEP-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15710 /15499	DEF AT local marker foram decrease	DEF AT 5
15770 /15558	POS AT Upper Oligocene (Chattian) Bolivina perca	DEF AT 5
15800 /15587	POS AT Upper Oligocene (Chattian) Marginulina idiomorpha	DEF AT 5
15814 /15600	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 347	<b>Date of Summary:</b> 22-OCT-1999	<b>First Sample Examined:</b> 9125
<b>Lease Number:</b> G14383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14313
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12532
<b>API Well Number:</b> 177044099601	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9125 - 14320	<b>Water Depth:</b> 298
<b>Public Info Code:</b> Y 06-OCT-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9125 / 9118	DEF AT first sample examined	DEF AT
9126 / 9119	DEF IN salt	DEF AT
9520 / 9507	DEF AT base of salt	DEF AT 4
9700 / 9676	DEF IN out-of-place section	DEF AT 4
9970 / 9914	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10000 / 9940	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
11470 /10849	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
11500 /10864	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12760 /11505	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
13430 /11911	DEF AT Eggerella sp. (local marker)	DEF AT 4
14320 /	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 347	<b>Date of Summary:</b> 22-OCT-1999	<b>First Sample Examined:</b> 9125
<b>Lease Number:</b> G14383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14313
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12532
<b>API Well Number:</b> 177044099601	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9125 - 14320	<b>Water Depth:</b> 298
<b>Public Info Code:</b> Y 06-OCT-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, the interval from 10254 to 12800 is based on sidewall cores, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9125 / 9118	DEF AT first sample examined	DEF AT
9126 / 9119	DEF IN salt	DEF AT
12800 /11528	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12970 /11627	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14320 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 348	Date of Summary: 09-MAY-2001	First Sample Examined: 0
Lease Number: G21584	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10047
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7400
API Well Number: 177044101900	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 280
Public Info Code: Y 31-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8850 / 6650	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 349	Date of Summary: 11-APR-1996	First Sample Examined: 3880
Lease Number: G15157	Source of Paleo: OPERATOR	Borehole MD: 13951
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9800
API Well Number: 177044082700	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 3880 - 12930	Water Depth: 306
Public Info Code: Y 27-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3880 / 3564	DEF AT first sample examined	DEF AT 3
3960 / 3629	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4980 / 4474	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
5940 / 5308	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7620 / 6581	DEF AT - - - - -	DEF AT 4
9420 / 7589	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11190 / 8447	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
12930 / 9293	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 364	<b>Date of Summary:</b> 22-FEB-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21080	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7050
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5550
<b>API Well Number:</b> 177044100300	<b>Drilling Operator:</b> VENTURA OPERATING COMPANY INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 373
<b>Public Info Code:</b> Y 27-DEC-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6568 / 5232	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 364	<b>Date of Summary:</b> 07-DEC-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21080	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9566
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5045
<b>API Well Number:</b> 177044101200	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 373
<b>Public Info Code:</b> Y 27-DEC-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9230 / 4922	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 369	<b>Date of Summary:</b> 09-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21585	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6142
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5459
<b>API Well Number:</b> 177044102101	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 338
<b>Public Info Code:</b> Y 19-OCT-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4930 / 4477	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5587 / 5010	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 369	Date of Summary: 14-NOV-2001	First Sample Examined: 0
Lease Number: G21585	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7926
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5500
API Well Number: 177044102300	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 344
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4681 / 3971	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7110 / 5099	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 373	Date of Summary: 19-SEP-1995	First Sample Examined: 3350
Lease Number: G14391	Source of Paleo: OPERATOR	Borehole MD: 6182
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6182
API Well Number: 177044081800	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3350 - 6182	Water Depth: 394
Public Info Code: Y 09-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3350 / 3350	DEF AT first sample examined	DEF AT 3
3351 / 3351	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6182 / 6182	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 373	<b>Date of Summary:</b> 01-OCT-2003	<b>First Sample Examined:</b> 3945
<b>Lease Number:</b> G14391	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6960
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 5979
<b>API Well Number:</b> 177044104500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3945 - 6940	<b>Water Depth:</b> 429
<b>Public Info Code:</b> Y 19-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3945 / 3917	DEF AT first sample examined	DEF AT 3
3946 / 3918	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6940 / 5966	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 373	<b>Date of Summary:</b> 01-OCT-2003	<b>First Sample Examined:</b> 3945
<b>Lease Number:</b> G14391	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6960
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 5979
<b>API Well Number:</b> 177044104500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3945 - 6940	<b>Water Depth:</b> 429
<b>Public Info Code:</b> Y 19-APR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3945 / 3917	DEF AT first sample examined	DEF AT
3946 / 3918	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6940 / 5966	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 373	<b>Date of Summary:</b> 01-OCT-2003	<b>First Sample Examined:</b> 6700
<b>Lease Number:</b> G14391	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7530
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6345
<b>API Well Number:</b> 177044104501	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6700 - 7550	<b>Water Depth:</b> 429
<b>Public Info Code:</b> Y 19-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6700 / 5815	DEF AT first sample examined	DEF AT 3
7060 / 6025	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
7090 / 6043	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "A")	DEF AT 5
7180 / 6099	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
7550 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 373	<b>Date of Summary:</b> 01-OCT-2003	<b>First Sample Examined:</b> 6700
<b>Lease Number:</b> G14391	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7530
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6345
<b>API Well Number:</b> 177044104501	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6700 - 7550	<b>Water Depth:</b> 429
<b>Public Info Code:</b> Y 19-APR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6700 / 5815	DEF AT first sample examined	DEF AT
7090 / 6043	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7240 / 6138	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7550 /	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 379  
 Lease Number: G12856  
 Well Name: 003  
 API Well Number: 177044103801  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 20-APR-2010

Date of Summary: 27-MAR-2003  
 Source of Paleo: OPERATOR  
 Paleo Done By: BANE AND SCHUNICK  
 Drilling Operator: EPL OIL & GAS INC  
 Sample Range: 9990 - 11430  
 Ecozone Eq MMS: Y

First Sample Examined: 9990  
 Borehole MD: 11419  
 Borehole TVD: 9441  
 Rkb Elevation: 85  
 Water Depth: 437  
 Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
9990 / 8161	DEF AT first sample examined	DEF AT	2
10290 / 8424	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT	4
10320 / 8451	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT	4
10470 / 8585	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	POS AT	4
10500 / 8612	DEF AT faunal change (no faunal increase)	DEF AT	3
10530 / 8639	POS AT local marker foram increase	POS AT	4
10590 / 8692	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT	4
10619 / 8718	DEF AT foram flood	DEF AT	5
10620 / 8719	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT	5
10650 / 8746	DEF AT faunal change (no faunal increase)	POS AT	4
10710 / 8800	DEF AT faunal change (no faunal increase)	DEF AT	4
10830 / 8908	DEF AT local marker deep water fauna	DEF AT	5
10980 / 9044	DEF AT faunal change (no faunal increase)	DEF AT	4
11010 / 9071	DEF AT faunal change (no faunal increase)	DEF AT	3
11130 / 9179	DEF AT faunal change (no faunal increase)	POS AT	4
11160 / 9206	DEF AT faunal change (no faunal increase)	DEF AT	3
11190 / 9233	DEF AT faunal change (no faunal increase)	DEF IN	3
11310 / 9342	DEF AT faunal change (no faunal increase)	POS AT	4
11370 / 9396	DEF AT faunal change (no faunal increase)	DEF IN	3
11430 /	DEF AT last sample examined	DEF IN	3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 379	<b>Date of Summary:</b> 22-APR-2003	<b>First Sample Examined:</b> 9960
<b>Lease Number:</b> G12856	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11419
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9441
<b>API Well Number:</b> 177044103801	<b>Drilling Operator:</b> EPL OIL & GAS INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9960 - 11100	<b>Water Depth:</b> 437
<b>Public Info Code:</b> Y 20-APR-2010	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9960 / 8135	DEF AT first sample examined	DEF AT
10290 / 8424	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10920 / 8990	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11100 / 9152	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 379	Date of Summary: 27-MAR-2003	First Sample Examined: 11400
Lease Number: G12856	Source of Paleo: OPERATOR	Borehole MD: 14618
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12397
API Well Number: 177044103802	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 11400 - 14610	Water Depth: 437
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 / 9428	DEF AT first sample examined	DEF IN 3
11500 / 9520	DEF AT faunal change (no faunal increase)	POS AT 4
11530 / 9547	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
11550 / 9566	DEF AT faunal change (no faunal increase)	POS AT 4
11670 / 9675	DEF AT faunal change (no faunal increase)	DEF AT 4
11730 / 9730	DEF AT faunal change (no faunal increase)	DEF AT 5
11760 / 9757	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
11940 / 9921	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11970 / 9948	DEF AT faunal change (no faunal increase)	DEF AT 5
12030 /10003	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
12150 /10112	DEF IN Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 4
12270 /10222	DEF AT local marker planktic foram increase	DEF AT 5
12480 /10415	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
12600 /10524	DEF AT faunal change (no faunal increase)	DEF AT 4
12690 /10607	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12750 /10662	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
12780 /10689	DEF AT faunal change (no faunal increase)	DEF AT 4
12810 /10716	DEF AT faunal change (no faunal increase)	DEF AT 5
12840 /10744	DEF AT faunal change (no faunal increase)	DEF AT 4
12960 /10854	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12990 /10881	DEF AT faunal change (no faunal increase)	DEF AT 4
13080 /10963	DEF AT faunal change (no faunal increase)	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 379  
Lease Number: G12856  
Well Name: 003  
API Well Number: 177044103802  
Paleo Report Num: 1 of 2  
Public Info Code: Y 20-APR-2010

Date of Summary: 27-MAR-2003  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: EPL OIL & GAS INC  
Sample Range: 11400 - 14610  
Ecozone Eq MMS: Y

First Sample Examined: 11400  
Borehole MD: 14618  
Borehole TVD: 12397  
Rkb Elevation: 85  
Water Depth: 437  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13110 /10990	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
13140 /11018	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
13200 /11073	DEF AT faunal change (no faunal increase)	DEF AT 4
13230 /11100	DEF AT faunal change (no faunal increase)	DEF AT 5
13290 /11155	DEF AT faunal change (no faunal increase)	DEF AT 4
13410 /11265	DEF AT local marker planktic foram increase	DEF AT 4
13470 /11319	DEF AT faunal change (no faunal increase)	DEF AT 5
13500 /11347	DEF AT faunal change (no faunal increase)	DEF AT 4
13590 /11429	DEF AT local marker planktic foram increase	DEF AT 4
13620 /11457	DEF AT faunal change (no faunal increase)	DEF AT 5
13770 /11598	DEF AT faunal change (no faunal increase)	DEF AT 4
13830 /11654	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
13860 /11682	DEF AT faunal change (no faunal increase)	DEF AT 5
14040 /11852	DEF AT faunal change (no faunal increase)	DEF IN 3
14280 /12078	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
14340 /12134	DEF AT faunal change (no faunal increase)	DEF AT 4
14430 /12219	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
14600 /12379	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 379	<b>Date of Summary:</b> 22-APR-2003	<b>First Sample Examined:</b> 11880
<b>Lease Number:</b> G12856	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14618
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12397
<b>API Well Number:</b> 177044103802	<b>Drilling Operator:</b> EPL OIL & GAS INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11880 - 14610	<b>Water Depth:</b> 437
<b>Public Info Code:</b> Y 20-APR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11880 / 9866	DEF AT first sample examined	DEF AT
11940 / 9921	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12030 /10003	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12120 /10085	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13500 /11347	DEF AT sample gap top	DEF AT
13800 /11626	DEF AT sample gap bottom	DEF AT
14610 /12389	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 31-JAN-1997	First Sample Examined: 12010
Lease Number: G02267	Source of Paleo: OPERATOR	Borehole MD: 16773
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14158
API Well Number: 177044094300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 4	Sample Range: 12010 - 15070	Water Depth: 446
Public Info Code: Y 28-JAN-2007	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12010 /10685	DEF AT first sample examined	DEF AT
12011 /10686	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12850 /11299	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13870 /12025	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
15070 /12870	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 31-JAN-1997	<b>First Sample Examined:</b> 12731
<b>Lease Number:</b> G02267	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16773
<b>Well Name:</b> A002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14158
<b>API Well Number:</b> 177044094300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 12731 - 16780	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 28-JAN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report for sidetrack

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12731 /11212	DEF AT first sample examined	DEF AT
12911 /11343	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13751 /11942	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
16780 /	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381  
 Lease Number: G02267  
 Well Name: A002  
 API Well Number: 177044094300  
 Paleo Report Num: 3 of 4  
 Public Info Code: Y 28-JAN-2007

Date of Summary: 17-MAY-1997  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: TEXACO EXPLORATION AND PROD  
 Sample Range: 12730 - 16780  
 Ecozone Eq MMS: Y

First Sample Examined: 12730  
 Borehole MD: 16773  
 Borehole TVD: 14158  
 Rkb Elevation: 80  
 Water Depth: 446  
 Paleo ID: 002

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12730 /11211	DEF AT first sample examined	DEF AT 3
12880 /11320	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS IN 3
12970 /11385	DEF AT faunal change (no faunal increase)	DEF AT 3
13210 /11558	DEF AT faunal change (no faunal increase)	DEF IN 3
13240 /11580	DEF AT local marker foram increase	DEF AT 3
13630 /11858	DEF AT faunal change (no faunal increase)	DEF AT 2
13690 /11900	DEF AT local marker foram increase	DEF AT 3
13750 /11941	DEF AT local marker foram increase	DEF AT 3
13930 /12066	DEF AT faunal change (no faunal increase)	DEF IN 2
14170 /12236	DEF AT faunal change (no faunal increase)	DEF AT 3
14260 /12299	DEF AT faunal change (no faunal increase)	DEF IN 2
14440 /12424	DEF AT faunal change (no faunal increase)	DEF AT 3
14500 /12465	DEF AT faunal change (no faunal increase)	DEF IN 2
14620 /12549	DEF AT Arenaceous fauna (local marker)	DEF IN 2
15070 /12870	DEF AT faunal change (no faunal increase)	DEF AT 3
15280 /13027	DEF AT faunal change (no faunal increase)	DEF IN 2
15550 /13228	DEF AT faunal change (no faunal increase)	DEF IN 3
15610 /13273	DEF AT faunal change (no faunal increase)	DEF IN 3
15699 /13340	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
15700 /13341	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
15760 /13387	DEF AT faunal change (no faunal increase)	DEF IN 3
15850 /13455	DEF AT faunal change (no faunal increase)	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381  
Lease Number: G02267  
Well Name: A002  
API Well Number: 177044094300  
Paleo Report Num: 3 of 4  
Public Info Code: Y 28-JAN-2007

Date of Summary: 17-MAY-1997  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 12730 - 16780  
Ecozone Eq MMS: Y

First Sample Examined: 12730  
Borehole MD: 16773  
Borehole TVD: 14158  
Rkb Elevation: 80  
Water Depth: 446  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15940 /13524	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "B")	DEF IN 3
16000 /13570	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
16060 /13615	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF IN 4
16140 /13676	DEF AT faunal change (no faunal increase)	DEF AT 3
16150 /13684	DEF AT faunal change (no faunal increase)	DEF AT 3
16330 /13821	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 3
16450 /13912	DEF AT Arenaceous fauna (local marker)	DEF AT 3
16780 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 17-MAY-1997	<b>First Sample Examined:</b> 11980
<b>Lease Number:</b> G02267	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16773
<b>Well Name:</b> A002	<b>Paleo Done By:</b> BIOSTRATIGRAPHIC INTERPRETATIONS	<b>Borehole TVD:</b> 14158
<b>API Well Number:</b> 177044094300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 11980 - 15110	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 28-JAN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /10662	DEF AT first sample examined	DEF AT 3
12100 /10751	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
12370 /10949	DEF AT faunal change (no faunal increase)	DEF IN 2
12820 /11277	DEF AT local marker foram increase	DEF AT 3
12850 /11299	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
12940 /11364	DEF AT faunal change (no faunal increase)	DEF IN 3
13000 /11407	DEF AT faunal change (no faunal increase)	DEF AT 3
13150 /11515	DEF AT faunal change (no faunal increase)	DEF IN 3
13210 /11558	DEF AT local marker foram increase	DEF IN 3
13270 /11602	DEF AT faunal change (no faunal increase)	DEF AT 3
13360 /11667	DEF AT faunal change (no faunal increase)	DEF IN 2
13450 /11733	DEF AT faunal change (no faunal increase)	DEF AT 2
13480 /11754	DEF AT faunal change (no faunal increase)	DEF IN 2
13690 /11900	DEF AT local marker foram increase	POS AT 3
13720 /11920	DEF AT faunal change (no faunal increase)	DEF IN 2
13840 /12004	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3
13930 /12066	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
14050 /12151	DEF AT faunal change (no faunal increase)	DEF AT 3
14110 /12193	DEF AT faunal change (no faunal increase)	DEF IN 3
14230 /12278	DEF AT faunal change (no faunal increase)	DEF AT 3
14350 /12361	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 3
14500 /12465	DEF AT faunal change (no faunal increase)	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381  
 Lease Number: G02267  
 Well Name: A002  
 API Well Number: 177044094300  
 Paleo Report Num: 4 of 4  
 Public Info Code: Y 28-JAN-2007

Date of Summary: 17-MAY-1997  
 Source of Paleo: OPERATOR  
 Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS  
 Drilling Operator: TEXACO EXPLORATION AND PROD  
 Sample Range: 11980 - 15110  
 Ecozone Eq MMS: Y

First Sample Examined: 11980  
 Borehole MD: 16773  
 Borehole TVD: 14158  
 Rkb Elevation: 80  
 Water Depth: 446  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14560 /12507	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14680 /12591	DEF AT faunal change (no faunal increase)	DEF AT 3
14830 /12695	DEF AT faunal change (no faunal increase)	POS IN 3
15110 /12900	DEF AT last sample examined	POS IN 3

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 28-JUL-1996	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15128
<b>Well Name:</b> A001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14968
<b>API Well Number:</b> 177044083600	<b>Drilling Operator:</b> CHEVRON CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7000 - 15128	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 24-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Barite South Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6999	DEF AT first sample examined	DEF AT
8920 / 8919	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9100 / 9099	DEF AT local marker floral decrease	DEF AT
9640 / 9639	DEF AT local marker floral increase	DEF AT
9880 / 9879	DEF AT local marker floral increase	DEF AT
9940 / 9939	DEF AT local marker floral decrease	DEF AT
10300 /10299	DEF AT local marker floral increase	DEF AT
10360 /10359	DEF AT local marker floral decrease	DEF AT
10760 /10759	DEF AT local marker floral increase	DEF AT
10940 /10939	DEF AT local marker floral decrease	DEF AT
11840 /11836	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12080 /12071	DEF AT local marker floral decrease	DEF AT
12490 /12465	DEF AT local marker floral increase	DEF AT
12550 /12522	DEF AT local marker floral decrease	DEF AT
14350 /14243	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14470 /14358	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14650 /14528	DEF AT local marker floral decrease	DEF AT
14830 /14695	DEF AT local marker floral increase	DEF AT
14950 /14805	DEF AT local marker floral decrease	DEF AT
15128 /14968	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 02-SEP-1996	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15128
<b>Well Name:</b> A001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14968
<b>API Well Number:</b> 177044083600	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7000 - 15128	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 24-AUG-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Barite South Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6999	DEF AT first sample examined	DEF AT 2
7001 / 7000	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
7060 / 7059	DEF AT faunal change (no faunal increase)	DEF IN 1
7090 / 7089	DEF AT local marker foram decrease	DEF IN 1
7180 / 7179	DEF AT local marker foram increase	DEF AT 2
7300 / 7299	DEF AT local marker foram decrease	DEF IN 1
7720 / 7719	DEF AT faunal change (no faunal increase)	DEF AT 2
7750 / 7749	DEF AT faunal change (no faunal increase)	DEF AT 1
7870 / 7869	DEF AT faunal change (no faunal increase)	DEF AT 2
8320 / 8319	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 2
8380 / 8379	DEF AT local marker foram decrease	DEF IN 1
8530 / 8529	POS AT local marker foram increase	DEF AT 2
8560 / 8559	DEF AT local marker foram decrease	DEF AT 2
8890 / 8889	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 2
9160 / 9159	DEF AT local marker foram decrease	DEF AT 2
9250 / 9249	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF IN 2
9400 / 9399	DEF AT local marker foram decrease	DEF IN 2
9640 / 9639	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
9820 / 9819	DEF AT - - - - -	DEF AT 3
9970 / 9969	DEF AT local marker foram decrease	DEF IN 2
10120 / 10119	DEF AT local marker foram increase	DEF AT 3
10180 / 10179	DEF AT local marker foram decrease	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381  
Lease Number: G15161  
Well Name: A001  
API Well Number: 177044083600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 24-AUG-2006

Date of Summary: 02-SEP-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 7000 - 15128  
Ecozone Eq MMS: Y

First Sample Examined: 7000  
Borehole MD: 15128  
Borehole TVD: 14968  
Rkb Elevation: 79  
Water Depth: 446  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10720 /10719	DEF AT local marker foram increase	DEF AT 2
10750 /10749	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 3
10960 /10959	DEF AT faunal change (no faunal increase)	DEF AT 2
11320 /11319	POS AT local marker foram increase	DEF AT 2
11830 /11826	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
12040 /12032	DEF AT faunal change (no faunal increase)	DEF AT 2
12130 /12119	DEF AT local marker foram increase	DEF IN 2
12160 /12148	DEF AT local marker foram decrease	DEF IN 2
12250 /12235	DEF AT local marker benthic foram increase	DEF IN 2
12310 /12293	DEF AT local marker foram decrease	DEF IN 2
12400 /12379	DEF AT local marker foram increase	DEF IN 2
12490 /12465	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12550 /12522	DEF AT local marker foram decrease	DEF AT 3
12640 /12609	DEF AT faunal change (no faunal increase)	DEF IN 2
12790 /12753	DEF AT Bathysiphon fauna	DEF IN 2
12820 /12781	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 2
12850 /12810	DEF AT faunal change (no faunal increase)	DEF AT 3
12970 /12925	DEF AT local marker foram decrease	DEF AT 3
13120 /13068	DEF AT local marker foram decrease	DEF AT 3
13330 /13268	POS AT local marker foram increase	DEF AT 3
14320 /14214	DEF AT local marker planktic foram increase	DEF AT 3
14440 /14330	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 3
14470 /14358	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
14590 /14472	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 02-SEP-1996	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15128
<b>Well Name:</b> A001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14968
<b>API Well Number:</b> 177044083600	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7000 - 15128	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 24-AUG-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14650 /14528	DEF AT Eggerella sp. (local marker)	DEF IN 3
14890 /14750	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 3
14920 /14777	DEF AT local marker foram decrease	DEF IN 3
14980 /14832	DEF AT - - - - -	DEF AT 3
15070 /14915	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 16-JUL-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13970
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13554
<b>API Well Number:</b> 177044099002	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 133
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 05-AUG-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4820 / 4820	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
8969 / 8961	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
9760 / 9711	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10950 / 10831	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 26-OCT-1998	First Sample Examined: 5000
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 11906
Well Name: A004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8676
API Well Number: 177044099200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 2	Sample Range: 5000 - 11750	Water Depth: 446
Public Info Code: Y 09-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Barite South Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 4388	DEF AT first sample examined	DEF AT
5001 / 4388	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
5900 / 4941	DEF AT local marker floral increase	DEF AT
8180 / 6358	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9020 / 6878	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9440 / 7142	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11750 / 8579	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 02-NOV-1998	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11906
<b>Well Name:</b> A004	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8676
<b>API Well Number:</b> 177044099200	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 133
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5000 - 11720	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 09-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Barite South Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 4388	DEF AT first sample examined	DEF IN 1
5001 / 4388	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 1
5390 / 4624	POS AT local marker foram increase	DEF AT 2
5870 / 4922	DEF AT faunal change (no faunal increase)	DEF IN 2
5900 / 4941	DEF AT local marker foram increase	DEF IN 2
6260 / 5164	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
6410 / 5253	DEF AT faunal change (no faunal increase)	DEF AT 2
6440 / 5271	DEF AT local marker foram increase	DEF AT 2
7430 / 5890	POS AT local marker foram increase	DEF AT 2
7610 / 6004	DEF AT local marker foram increase	DEF AT 2
8900 / 6803	DEF AT pyrite	DEF AT 2
9170 / 6972	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 2
9260 / 7029	DEF AT local marker benthic foram increase	DEF IN 2
9380 / 7104	DEF AT local marker foram increase	DEF IN 2
9440 / 7142	DEF AT local marker foram increase	DEF IN 2
10400 / 7741	DEF AT - - - - -	DEF AT 2
10640 / 7891	DEF AT local marker benthic foram increase	DEF AT 2
10910 / 8061	DEF AT - - - - -	DEF IN 1
10940 / 8079	DEF AT local marker benthic foram increase	DEF IN 1
11420 / 8375	DEF AT local marker foram increase	DEF AT 2
11600 / 8486	DEF AT local marker benthic foram increase	DEF AT 2
11720 / 8560	DEF AT last sample examined	DEF IN 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 26-OCT-1998	First Sample Examined: 11750
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 14570
Well Name: A004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10373
API Well Number: 177044099201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 2	Sample Range: 11750 - 14540	Water Depth: 446
Public Info Code: Y 09-NOV-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Barite South Prospect, no diagnostic coccolith markers observed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11780 / 8608	DEF AT first sample examined	DEF AT
14540 /10354	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 02-NOV-1998	<b>First Sample Examined:</b> 11750
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14570
<b>Well Name:</b> A004	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10373
<b>API Well Number:</b> 177044099201	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 133
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11750 - 14540	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 09-NOV-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Barite South Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11750 / 8589	DEF AT first sample examined	DEF IN 1
11900 / 8683	DEF AT -----	DEF AT 2
12500 / 9059	DEF AT -----	DEF IN 2
12530 / 9078	POS AT local marker foram increase	DEF IN 2
13430 / 9647	DEF AT -----	DEF AT 2
14540 /10354	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 19-OCT-1998	First Sample Examined: 0
Lease Number: G15161	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11186
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 9240
API Well Number: 177044099202	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 446
Public Info Code: Y 14-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5849 / 5056	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 10-FEB-1999	<b>First Sample Examined:</b> 10010
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14461
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12589
<b>API Well Number:</b> 177044099300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 133
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10010 - 14210	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 22-DEC-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Sidetrack 1 report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 / 9592	DEF AT first sample examined	DEF AT
10740 /10093	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10980 /10253	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11340 /10495	DEF AT local marker floral increase	DEF AT
11690 /10730	DEF AT local marker floral increase	DEF AT
14210 /12417	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 25-FEB-1999	First Sample Examined: 10010
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 14461
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 12589
API Well Number: 177044099300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 2	Sample Range: 10010 - 14461	Water Depth: 446
Public Info Code: Y 22-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Sidetrack 1 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 / 9592	DEF AT first sample examined	POS AT 4
10040 / 9613	DEF AT -----	DEF AT 4
10100 / 9655	DEF AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF AT 4
10740 /10093	DEF AT local marker benthic foram increase	DEF AT 4
10830 /10152	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10860 /10172	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
10950 /10233	DEF AT -----	DEF IN 4
11490 /10597	DEF AT local marker foram increase	DEF IN 4
11540 /10630	DEF AT siltstone	DEF IN 4
11990 /10927	DEF AT -----	DEF AT 4
12410 /11203	DEF AT siltstone	DEF AT 4
12440 /11223	DEF AT -----	DEF AT 4
12590 /11322	DEF AT -----	DEF IN 4
12860 /11499	DEF AT -----	DEF AT 4
13550 /11962	DEF AT drilling material	POS AT 4
13670 /12045	DEF AT siltstone	POS AT 4
14180 /12397	DEF AT -----	DEF IN 4
14461 /12589	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 05-JAN-1999	First Sample Examined: 0
Lease Number: G15161	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15100
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 13014
API Well Number: 177044099302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 3	Sample Range: 0 - 0	Water Depth: 446
Public Info Code: Y 21-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Depths by log correlation, per Rome Lytton (Texaco) phone call

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10070	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
12422 /11205	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 10-FEB-1999	<b>First Sample Examined:</b> 14450
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15100
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13014
<b>API Well Number:</b> 177044099302	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 133
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 14450 - 15110	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 21-JAN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14450 /12568	DEF AT first sample examined	DEF AT
15110 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 25-FEB-1999	<b>First Sample Examined:</b> 14450
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15100
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13014
<b>API Well Number:</b> 177044099302	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 133
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 14450 - 15110	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 21-JAN-2009	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14450 /12568	DEF AT first sample examined	DEF AT
15100 /13014	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 10-FEB-1999	First Sample Examined: 15160
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 16952
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 14319
API Well Number: 177044099303	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 2	Sample Range: 15160 - 16900	Water Depth: 446
Public Info Code: Y 17-FEB-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15160 /13059	DEF AT first sample examined	DEF AT
15340 /13181	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16900 /14281	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 25-FEB-1999	First Sample Examined: 15160
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 16952
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 14319
API Well Number: 177044099303	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 2	Sample Range: 15160 - 16930	Water Depth: 446
Public Info Code: Y 17-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15160 /13059	DEF AT first sample examined	POS AT 4
15310 /13161	DEF IN transported inner shelf facies	POS AT 4
15339 /13180	DEF AT transported outer shelf facies	DEF AT 4
15340 /13181	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
16750 /14170	DEF AT local marker foram increase	DEF AT 4
16870 /14259	DEF AT - - - - -	POS AT 4
16930 /14303	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EC 381	<b>Date of Summary:</b> 10-FEB-1999	<b>First Sample Examined:</b> 16960
<b>Lease Number:</b> G15161	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17581
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14733
<b>API Well Number:</b> 177044099304	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 133
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16960 - 17582	<b>Water Depth:</b> 446
<b>Public Info Code:</b> Y 03-MAR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16960 /14297	DEF AT first sample examined	DEF AT
17140 /14421	POS AT local marker floral increase	DEF AT
17380 /14590	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17558 /14717	DEF AT last sample examined	DEF AT

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End Date: 01-DEC-2016

Area Block: EC 381	Date of Summary: 25-FEB-1999	First Sample Examined: 16960
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 17581
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 14733
API Well Number: 177044099304	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 2	Sample Range: 16960 - 17582	Water Depth: 446
Public Info Code: Y 03-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** No diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16960 /14297	DEF AT first sample examined	POS AT 4
17050 /14359	DEF AT - - - - -	DEF AT 4
17582 /	DEF AT last sample examined	DEF AT 4



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 26	Date of Summary: 10-NOV-2011	First Sample Examined: 8490
Lease Number: G27904	Source of Paleo: OPERATOR	Borehole MD: 24325
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24283
API Well Number: 177094150600	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 8490 - 24310	Water Depth: 22
Public Info Code: Y 19-DEC-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Boudin Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8490 / 8490	DEF AT first sample examined	DEF IN 2
8940 / 8940	DEF AT - - - - -	DEF AT 3
9060 / 9060	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
9150 / 9150	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9270 / 9270	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 3
9750 / 9750	DEF AT - - - - -	DEF AT 4
9780 / 9780	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
10170 /10170	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
10499 /10499	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
10500 /10500	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
11100 /11100	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
11220 /11220	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
12390 /12390	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
12510 /12510	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 4
12869 /12869	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
12870 /12870	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13170 /13170	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
13199 /13199	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
13200 /13200	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13320 /13320	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
13410 /13410	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 26	Date of Summary: 10-NOV-2011	First Sample Examined: 8490
Lease Number: G27904	Source of Paleo: OPERATOR	Borehole MD: 24325
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24283
API Well Number: 177094150600	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 8490 - 24310	Water Depth: 22
Public Info Code: Y 19-DEC-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13470 /13470	DEF AT -----	DEF AT 4
14190 /14190	DEF AT local marker planktic foram increase	DEF AT 4
14460 /14460	DEF AT -----	DEF AT 3
15330 /15330	DEF AT -----	DEF AT 4
15360 /15360	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
15450 /15450	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
15660 /15660	DEF AT -----	DEF AT 3
16350 /16350	DEF AT -----	DEF AT 4
17970 /17970	DEF AT -----	DEF AT 3
19680 /19678	DEF AT -----	DEF AT 4
20790 /20788	DEF AT -----	DEF AT 5
20820 /20818	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
21480 /21477	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
21690 /21687	POS IN Middle Miocene (Langhian) Cibicides 38	DEF AT 5
24090 /24055	DEF AT anhydrite	DEF AT 5
24135 /24099	DEF AT salt	DEF AT 5
24310 /24268	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 28	Date of Summary: 08-APR-1991	First Sample Examined: 7500
Lease Number: G05479	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11994
API Well Number: 177094088800	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 109
Paleo Report Num: 1 of 2	Sample Range: 7500 - 11460	Water Depth: 15
Public Info Code: Y 03-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7499	DEF AT first sample examined	DEF IN 2
7560 / 7559	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
9030 / 9026	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
9480 / 9476	DEF AT - - - - -	DEF AT 4
9900 / 9896	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10320 /10316	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
10470 /10466	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11460 /11456	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 28	Date of Summary: 08-APR-1991	First Sample Examined: 11400
Lease Number: G05479	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11994
API Well Number: 177094088800	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 109
Paleo Report Num: 2 of 2	Sample Range: 11400 - 12000	Water Depth: 15
Public Info Code: Y 03-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11396	DEF AT first sample examined	DEF AT 4
12000 /11994	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 28	Date of Summary: 03-APR-2000	First Sample Examined: 0
Lease Number: G05479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12408
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12105
API Well Number: 177094127100	Drilling Operator: JUNIPER ENERGY LP	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 15
Public Info Code: Y 10-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12099 /11819	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 29  
 Lease Number: G16340  
 Well Name: 001  
 API Well Number: 177094114200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-AUG-2001

Date of Summary: 02-JUL-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MURPHY EXPLORATION & PRODUCTIO  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 16012  
 Borehole TVD: 15992  
 Rkb Elevation: 85  
 Water Depth: 16  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7780 / 7779	DEF AT Upper (Late) Miocene	DEF AT
9250 / 9249	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9730 / 9729	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11830 /11828	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
14140 /14134	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 29	Date of Summary: 25-JUN-1999	First Sample Examined: 0
Lease Number: G16340	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12300
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12299
API Well Number: 177094125100	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 15
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11795 /11795	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 29	Date of Summary: 10-MAY-2004	First Sample Examined: 5000
Lease Number: G23854	Source of Paleo: OPERATOR	Borehole MD: 17595
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16163
API Well Number: 177094140300	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 5000 - 17490	Water Depth: 15
Public Info Code: Y 02-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 1
7340 / 7340	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 2
9140 / 9140	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
9230 / 9230	DEF AT faunal change (no faunal increase)	POS AT 3
9860 / 9860	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
10400 /10400	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
10520 /10520	DEF AT faunal change (no faunal increase)	DEF AT 4
10640 /10639	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11800 /11796	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 4
11860 /11855	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13010 /12928	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
13070 /12977	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
13160 /13049	DEF AT faunal change (no faunal increase)	DEF AT 5
13880 /13583	DEF AT sample gap top	POS AT 5
13999 /13668	DEF AT sample gap bottom	DEF AT 5
14000 /13669	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
14330 /13905	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
14360 /13927	DEF AT faunal change (no faunal increase)	DEF AT 6
14670 /14148	DEF AT faunal change (no faunal increase)	DEF AT 5
14910 /14311	DEF AT faunal change (no faunal increase)	DEF AT 4
15150 /14466	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
15840 /14951	DEF AT faunal change (no faunal increase)	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 29	<b>Date of Summary:</b> 10-MAY-2004	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G23854	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17595
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16163
<b>API Well Number:</b> 177094140300	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5000 - 17490	<b>Water Depth:</b> 15
<b>Public Info Code:</b> Y 02-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16500 /15417	DEF AT faunal change (no faunal increase)	DEF AT 4
17190 /15889	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
17490 /16087	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 30	<b>Date of Summary:</b> 19-MAY-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09574	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12000
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11998
<b>API Well Number:</b> 177094107600	<b>Drilling Operator:</b> PEL-TEX OIL COMPANY	<b>Rkb Elevation:</b> 124
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 14
<b>Public Info Code:</b> Y 29-NOV-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11371 /11370	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 30	<b>Date of Summary:</b> 20-SEP-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09574	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13484
<b>Well Name:</b> JA004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12922
<b>API Well Number:</b> 177094095500	<b>Drilling Operator:</b> PEL-TEX OIL COMPANY	<b>Rkb Elevation:</b> 132
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 14
<b>Public Info Code:</b> Y 06-SEP-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10730 /10446	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11360 /11044	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12710 /12257	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
13308 /12770	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 33	Date of Summary: 22-NOV-1994	First Sample Examined: 0
Lease Number: G03560	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11700
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 11699
API Well Number: 177094097800	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 70
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 9
Public Info Code: Y 28-JAN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10060 /10059	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 33	Date of Summary: 21-FEB-1997	First Sample Examined: 10020
Lease Number: G03560	Source of Paleo: OPERATOR	Borehole MD: 15253
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15071
API Well Number: 177094112800	Drilling Operator: COCKRELL OIL AND GAS L P	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 10020 - 15240	Water Depth: 10
Public Info Code: Y 31-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 /10018	DEF AT first sample examined	DEF AT 2
10021 /10019	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
11040 /11038	DEF AT local marker benthic foram increase	DEF AT 3
11190 /11188	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11640 /11638	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12990 /12988	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
13950 /13922	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14550 /14472	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
14580 /14498	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
14790 /14680	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
15240 /15060	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 39	Date of Summary: 23-FEB-2000	First Sample Examined: 11010
Lease Number: G15239	Source of Paleo: OPERATOR	Borehole MD: 15067
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15062
API Well Number: 177094126901	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 11010 - 15067	Water Depth: 10
Public Info Code: Y 20-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 13430=rare Gyroidina scalata

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 /11008	DEF AT first sample examined	DEF AT 3
11011 /11009	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
11930 /11926	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
12470 /12466	DEF AT - - - - -	DEF AT 4
13430 /13425	POS AT local marker (general)	DEF AT 4
14060 /14055	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14840 /14835	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
15067 /15062	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 39	Date of Summary: 29-DEC-1999	First Sample Examined: 7000
Lease Number: G15239	Source of Paleo: OPERATOR	Borehole MD: 15876
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15869
API Well Number: 177094126200	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 7000 - 15880	Water Depth: 9
Public Info Code: Y 18-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6999	DEF AT first sample examined	DEF AT 1
8290 / 8289	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 2
9010 / 9009	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
10180 /10179	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10990 /10989	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
11050 /11049	DEF AT -----	DEF AT 3
12070 /12068	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
12880 /12878	DEF AT -----	DEF AT 4
14470 /14466	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
14740 /14736	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
15880 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 40  
Lease Number: G21635  
Well Name: 001  
API Well Number: 177094139300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-APR-2005

Date of Summary: 08-MAR-2004  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 10000 - 14620  
Ecozone Eq MMS: Y

First Sample Examined: 10000  
Borehole MD: 14638  
Borehole TVD: 14632  
Rkb Elevation: 87  
Water Depth: 9  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9999	DEF AT first sample examined	DEF AT 1
10090 /10089	DEF IN Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
10240 /10239	DEF AT -----	DEF AT 1
10600 /10599	POS AT -----	POS AT 1
10720 /10719	DEF AT -----	DEF AT 2
10840 /10839	DEF AT -----	DEF IN 2
10960 /10959	DEF AT -----	DEF AT 1
11200 /11199	DEF AT -----	DEF AT 2
11320 /11319	DEF AT -----	DEF AT 1
11440 /11439	DEF AT -----	DEF AT 2
11560 /11559	DEF AT -----	DEF AT 1
11799 /11797	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 3
11800 /11798	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
11920 /11918	DEF AT -----	DEF AT 2
12160 /12158	DEF AT -----	DEF AT 3
12280 /12278	DEF AT -----	DEF AT 2
12460 /12457	DEF AT -----	DEF AT 3
12520 /12517	DEF AT Cyclammmina cancellata (local marker)	DEF AT 3
12640 /12637	DEF AT -----	DEF AT 2
12700 /12697	DEF AT -----	DEF AT 1
12820 /12817	DEF AT -----	DEF AT 3
12940 /12937	DEF AT -----	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 40	Date of Summary: 08-MAR-2004	First Sample Examined: 10000
Lease Number: G21635	Source of Paleo: OPERATOR	Borehole MD: 14638
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14632
API Well Number: 177094139300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 10000 - 14620	Water Depth: 9
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13150 /13146	DEF AT Arenaceous fauna (local marker)	DEF IN 2
13360 /13356	DEF AT -----	DEF AT 1
13420 /13416	DEF AT -----	POS AT 1
13480 /13476	DEF AT -----	DEF AT 1
13540 /13536	DEF AT -----	DEF AT 2
13600 /13596	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
14020 /14015	DEF AT -----	DEF AT 1
14080 /14075	DEF AT -----	POS AT 1
14170 /14165	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
14380 /14374	DEF AT -----	DEF AT 3
14500 /14494	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14620 /14614	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 40	Date of Summary: 08-MAR-2004	First Sample Examined: 15500
Lease Number: G21635	Source of Paleo: OPERATOR	Borehole MD: 21332
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21283
API Well Number: 177094139302	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 15500 - 21332	Water Depth: 10
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
14290 /14286	DEF AT first sample examined	DEF AT 4
14500 /14496	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14560 /14555	DEF AT faunal change (no faunal increase)	DEF AT 3
14710 /14705	DEF AT faunal change (no faunal increase)	POS AT 3
15190 /15184	DEF AT faunal change (no faunal increase)	DEF AT 4
15550 /15543	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
15580 /15573	DEF AT faunal change (no faunal increase)	DEF AT 3
15729 /15722	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
15730 /15723	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17110 /17100	DEF AT faunal change (no faunal increase)	DEF AT 3
17230 /17219	DEF AT faunal change (no faunal increase)	DEF AT 4
17350 /17339	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
17680 /17668	DEF AT faunal change (no faunal increase)	DEF AT 3
17860 /17847	DEF AT faunal change (no faunal increase)	DEF AT 4
18429 /18416	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 4
18430 /18417	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
19359 /19341	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 4
19360 /19342	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
19870 /19840	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
19990 /19957	DEF AT faunal change (no faunal increase)	DEF AT 4
20110 /20075	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
20380 /20340	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 40	<b>Date of Summary:</b> 08-MAR-2004	<b>First Sample Examined:</b> 15500
<b>Lease Number:</b> G21635	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21332
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21283
<b>API Well Number:</b> 177094139302	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15500 - 21332	<b>Water Depth:</b> 10
<b>Public Info Code:</b> Y 30-APR-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20410 /20369	DEF AT faunal change (no faunal increase)	DEF AT 4
20680 /20636	DEF AT faunal change (no faunal increase)	POS AT 4
21010 /20963	DEF AT faunal change (no faunal increase)	DEF AT 4
21100 /21053	DEF AT faunal change (no faunal increase)	POS AT 4
21250 /21202	DEF AT faunal change (no faunal increase)	DEF AT 4
21332 /21283	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 42	Date of Summary: 04-APR-1997	First Sample Examined: 0
Lease Number: G04858	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14060
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 14057
API Well Number: 177094110700	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 14
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11485 /11484	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
12920 /12919	DEF AT unconformity	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 43	Date of Summary: 14-FEB-2000	First Sample Examined: 0
Lease Number: G17958	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11825
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11347
API Well Number: 177094118500	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 14
Public Info Code: Y 23-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9026 / 9025	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
9551 / 9537	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10230 /10149	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11664 /11237	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 44  
 Lease Number: G19784  
 Well Name: 001  
 API Well Number: 177094125800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 20-MAY-2009

Date of Summary: 15-SEP-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: EQUITABLE PRODUCTION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11840  
 Borehole TVD: 11801  
 Rkb Elevation: 100  
 Water Depth: 17  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7720 / 7720	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8240 / 8240	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9608 / 9594	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
10260 / 10230	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11154 / 11117	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 45	<b>Date of Summary:</b> 30-OCT-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19785	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11352
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11162
<b>API Well Number:</b> 177094129300	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 23
<b>Public Info Code:</b> Y 06-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6494 / 6494	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8040 / 8040	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10496 /10426	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 45	<b>Date of Summary:</b> 15-JAN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19785	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13589
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10915
<b>API Well Number:</b> 177094129500	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 23
<b>Public Info Code:</b> Y 06-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9458 / 9178	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
10310 / 9570	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
12200 /10340	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 46  
 Lease Number: G13617  
 Well Name: 001  
 API Well Number: 177094096200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 27-JUN-2003

Date of Summary: 03-JUN-1993  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MURPHY OIL USA INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 10728  
 Borehole TVD: 10727  
 Rkb Elevation: 71  
 Water Depth: 22  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7420 / 7419	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8080 / 8079	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
8890 / 8889	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
9400 / 9399	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9880 / 9879	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9970 / 9969	POS IN Upper Miocene (Tortonian) Cibicides inflata	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 46  
 Lease Number: G13617  
 Well Name: 002  
 API Well Number: 177094111500  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 19-MAR-2006

Date of Summary: 21-FEB-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: ANADARKO E&P COMPANY LP  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11100  
 Borehole TVD: 11100  
 Rkb Elevation: 137  
 Water Depth: 21  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7430 / 7429	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8650 / 8649	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9300 / 9299	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10400 /10399	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 49	Date of Summary: 26-SEP-2000	First Sample Examined: 0
Lease Number: G17959	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16963
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16600
API Well Number: 177094128800	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 26-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10740 /10738	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11715 /11713	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
13470 /13468	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
14010 /14004	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14816 /14754	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 50	Date of Summary: 06-JUL-2000	First Sample Examined: 0
Lease Number: G17960	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17275
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16369
API Well Number: 177094122902	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 05-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10480 /10478	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11500 /11476	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
13840 /13437	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
14980 /14405	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
16000 /15281	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 53  
 Lease Number: 00479  
 Well Name: 008  
 API Well Number: 177094086200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 02-AUG-2000

Date of Summary: 20-AUG-1996  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: FOREST OIL CORPORATOIN  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12880  
 Borehole TVD: 12488  
 Rkb Elevation: 135  
 Water Depth: 18  
 Paleo ID: 002

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8720 / 8720	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9080 / 9079	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9480 / 9479	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11218 /11068	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
12080 /11806	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 53	Date of Summary: 24-MAR-1993	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13200
Well Name: 009	Paleo Done By: OPERATOR	Borehole TVD: 12601
API Well Number: 177094094000	Drilling Operator: SANDEFER OFFSHORE PRODUCTION	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 21
Public Info Code: Y 03-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8677 / 8670	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9110 / 9088	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9480 / 9434	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11154 /10961	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
12135 /11783	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
13022 /12467	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 53	Date of Summary: 30-JUN-1997	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14265
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 14105
API Well Number: 177094113000	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 19
Public Info Code: Y 29-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9060 / 9059	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9210 / 9209	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11820 /11817	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12630 /12597	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 53	Date of Summary: 30-JUN-1997	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12722
Well Name: 011	Paleo Done By: OPERATOR	Borehole TVD: 12722
API Well Number: 177094114500	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9925 /	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11090 /	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12030 /	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
12610 /	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 53	Date of Summary: 30-JUL-2001	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14388
Well Name: 012	Paleo Done By: OPERATOR	Borehole TVD: 14324
API Well Number: 177094115300	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 12-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 /10093	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11090 /11081	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12610 /12595	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
13365 /13350	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 53	Date of Summary: 30-JAN-1991	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12617
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 12617
API Well Number: 177094085900	Drilling Operator: SANDEFER OFFSHORE PRODUCTION	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 18
Public Info Code: Y 24-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8830 / 8829	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9010 / 9009	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11680 /11677	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12460 /12456	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 53	Date of Summary: 03-DEC-1998	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14737
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 14504
API Well Number: 177094121101	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 28-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10285 /10279	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11390 /11343	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12850 /12734	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
14050 /13849	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 53  
 Lease Number: 00479  
 Well Name: C002  
 API Well Number: 177094122600  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 04-DEC-2008

Date of Summary: 29-DEC-1998  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: FOREST OIL CORPORATOIN  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12896  
 Borehole TVD: 12825  
 Rkb Elevation: 106  
 Water Depth: 20  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10650 /10647	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11292 /11284	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12612 /12552	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
12753 /12688	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 56	Date of Summary: 05-JUN-1990	First Sample Examined: 0
Lease Number: G03780	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13095
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12848
API Well Number: 177094085800	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 12
Public Info Code: Y 10-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9526 / 9524	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
11208 /11191	DEF IN Upper Miocene (Tortonian) Bigenerina "B"	DEF AT
11253 /11236	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 58  
Lease Number: G02895  
Well Name: 005  
API Well Number: 177094082300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 03-JAN-2000

Date of Summary: 03-MAR-1990  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: MARATHON PETROLEUM COMPANY  
Sample Range: 4090 - 14410  
Ecozone Eq MMS: Y

First Sample Examined: 4090  
Borehole MD: 14417  
Borehole TVD: 13704  
Rkb Elevation: 73  
Water Depth: 9  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4090 / 4090	DEF AT first sample examined	DEF IN 1
4690 / 4690	DEF AT - - - - -	DEF AT 2
8290 / 8289	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 2
8650 / 8647	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
11290 /11006	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
13690 /13051	DEF AT - - - - -	DEF AT 4
13750 /13105	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14410 /13698	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 58	Date of Summary: 03-MAR-1990	First Sample Examined: 10300
Lease Number: G02895	Source of Paleo: OPERATOR	Borehole MD: 16742
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14929
API Well Number: 177094082301	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 10300 - 15570	Water Depth: 9
Public Info Code: Y 10-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10300 /10196	DEF AT first sample examined	DEF AT 2
11440 /11060	DEF AT -----	DEF AT 3
12100 /11540	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
15400 /13953	DEF AT -----	DEF AT 4
15570 /14082	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 58	Date of Summary: 03-MAR-1990	First Sample Examined: 13550
Lease Number: G02895	Source of Paleo: OPERATOR	Borehole MD: 16742
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14929
API Well Number: 177094082301	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 13550 - 16742	Water Depth: 9
Public Info Code: Y 10-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Redrill report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13550 /12607	DEF AT first sample examined	DEF AT 3
13551 /12607	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
15370 /13931	DEF AT - - - - -	DEF AT 4
15940 /14349	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
16742 /14929	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 59  
 Lease Number: G17961  
 Well Name: 001  
 API Well Number: 177094125000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-JUN-2002

Date of Summary: 14-JUL-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MURPHY EXPLORATION & PRODUCTIO  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 15549  
 Borehole TVD: 14607  
 Rkb Elevation: 85  
 Water Depth: 14  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11480 /11477	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12330 /12320	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
13530 /13326	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
15010 /14274	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 60  
 Lease Number: G16342  
 Well Name: 001  
 API Well Number: 177094115000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-JUL-2001

Date of Summary: 30-JUL-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: NORCEN EXPLORER INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14482  
 Borehole TVD: 14179  
 Rkb Elevation: 100  
 Water Depth: 15  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8420 / 8419	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8965 / 8964	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9740 / 9739	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
10655 /10654	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
13520 /13518	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 63	Date of Summary: 26-OCT-1998	First Sample Examined: 15190
Lease Number: 00425	Source of Paleo: OPERATOR	Borehole MD: 17782
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17752
API Well Number: 177094052501	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 15190 - 17770	Water Depth: 21
Public Info Code: Y 20-OCT-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15190 /15185	DEF AT first sample examined	DEF AT 3
15280 /15274	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
15910 /15903	DEF AT - - - - -	POS AT 4
17110 /17090	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
17770 /17740	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 63	Date of Summary: 26-OCT-1998	First Sample Examined: 15190
Lease Number: 00425	Source of Paleo: OPERATOR	Borehole MD: 17782
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17752
API Well Number: 177094052501	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 89
Paleo Report Num: 2 of 2	Sample Range: 15190 - 16990	Water Depth: 21
Public Info Code: Y 20-OCT-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15190 /15185	DEF AT first sample examined	DEF AT
15191 /15186	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16989 /16970	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16990 /16971	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 64	Date of Summary: 26-JAN-1998	First Sample Examined: 0
Lease Number: G02098	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14610
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 13463
API Well Number: 177094117700	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 24
Public Info Code: Y 24-NOV-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12928 /12346	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 65	Date of Summary: 14-APR-1998	First Sample Examined: 0
Lease Number: G16343	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15365
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 13623
API Well Number: 177094112600	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 25
Public Info Code: Y 31-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12382 /11721	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
14260 /12979	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 65	Date of Summary: 06-APR-1999	First Sample Examined: 0
Lease Number: G16343	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15145
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 13208
API Well Number: 177094113500	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 25
Public Info Code: Y 31-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12560 /11517	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12920 /11750	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 70	Date of Summary: 24-MAY-1990	First Sample Examined: 0
Lease Number: G10719	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13980
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13493
API Well Number: 177094084200	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 24
Public Info Code: Y 04-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10446	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11070 /10938	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 70  
 Lease Number: G10719  
 Well Name: A001  
 API Well Number: 177094087800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 03-APR-2001

Date of Summary: 10-APR-1991  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: ANADARKO E&P COMPANY LP  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13374  
 Borehole TVD: 13269  
 Rkb Elevation: 136  
 Water Depth: 24  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9480	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
10600 /10599	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
13080 /13079	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 71	Date of Summary: 12-NOV-1998	First Sample Examined: 0
Lease Number: G12906	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10610
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 10609
API Well Number: 177094123000	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 19-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9350 / 9349	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 71	Date of Summary: 25-NOV-1998	First Sample Examined: 0
Lease Number: G12906	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11800
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11797
API Well Number: 177094109400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 08-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11506 /11503	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 71	Date of Summary: 13-JAN-1999	First Sample Examined: 0
Lease Number: G12906	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14076
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13023
API Well Number: 177094109401	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 16-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9256 / 9249	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10560 /10501	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 72  
Lease Number: G10720  
Well Name: 001  
API Well Number: 177094084600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 27-JUL-2000

Date of Summary: 01-AUG-1990  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: CONOCO INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 15513  
Borehole TVD: 15502  
Rkb Elevation: 92  
Water Depth: 23  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9660 / 9658	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10080 /10078	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12660 /12656	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
13980 /13974	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 72	Date of Summary: 18-JUL-1994	First Sample Examined: 0
Lease Number: G10720	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16292
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16282
API Well Number: 177094100900	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 71
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 12-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15458 /15453	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 74	Date of Summary: 18-AUG-1997	First Sample Examined: 9500
Lease Number: G02099	Source of Paleo: OPERATOR	Borehole MD: 16609
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 15013
API Well Number: 177094112900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 9500 - 16580	Water Depth: 18
Public Info Code: Y 13-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 9498	DEF AT first sample examined	DEF AT 1
9560 / 9558	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 1
9561 / 9559	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 1
9680 / 9677	DEF AT -----	DEF AT 2
9770 / 9767	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
9860 / 9857	DEF AT -----	DEF AT 1
10760 /10747	DEF AT -----	DEF IN 1
12470 /12283	DEF AT -----	DEF AT 2
12920 /12636	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
13100 /12770	DEF AT -----	DEF IN 1
13610 /13135	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 2
13730 /13219	DEF AT -----	DEF AT 3
15170 /14105	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 2
15530 /14320	DEF AT -----	DEF AT 3
15920 /14553	DEF AT -----	DEF IN 1
16580 /14991	DEF AT last sample examined	DEF IN 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 76  
 Lease Number: G04823  
 Well Name: 004  
 API Well Number: 177094068501  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 05-APR-2003

Date of Summary: 21-NOV-2000  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: WALTER OIL & GAS CORPORATION  
 Sample Range: 15375 - 15525  
 Ecozone Eq MMS: Y

First Sample Examined: 15375  
 Borehole MD: 15525  
 Borehole TVD: 15104  
 Rkb Elevation: 76  
 Water Depth: 23  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15375 /14956	DEF AT first sample examined	DEF AT 4
15405 /14984	DEF AT Middle Miocene (Serravallian) Globorotalia foysi robusta	DEF AT 4
15420 /14997	POS AT Middle Miocene (Serravallian) Globorotalia foysi lobata	DEF AT 4
15525 /15094	DEF AT last sample examined	DEF AT 4



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 78	Date of Summary: 24-JUN-1991	First Sample Examined: 9490
Lease Number: G11940	Source of Paleo: OPERATOR	Borehole MD: 14840
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14788
API Well Number: 177094088900	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 9490 - 14840	Water Depth: 23
Public Info Code: Y 24-DEC-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9490 / 9489	DEF AT first sample examined	DEF AT 3
9820 / 9818	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
10870 /10868	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
11830 /11827	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
13420 /13416	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
14170 /14155	DEF AT - - - - -	DEF AT 4
14760 /14713	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
14840 /14788	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 85	Date of Summary: 23-MAR-1998	First Sample Examined: 0
Lease Number: G16347	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15350
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15305
API Well Number: 177094118100	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 27
Public Info Code: Y 31-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13670 /13668	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
14350 /14346	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 87	Date of Summary: 20-MAY-1993	First Sample Examined: 0
Lease Number: G09580	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17894
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17871
API Well Number: 177094095100	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 22-MAY-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17459 /17450	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 87	Date of Summary: 10-JUL-2001	First Sample Examined: 0
Lease Number: G09580	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18125
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 18058
API Well Number: 177094127300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 12-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13940 /13935	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
15570 /15520	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 87	Date of Summary: 15-JAN-1996	First Sample Examined: 0
Lease Number: G09580	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17422
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 17412
API Well Number: 177094103500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 18
Public Info Code: Y 29-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14200 /14198	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 88	Date of Summary: 28-JUL-1993	First Sample Examined: 0
Lease Number: 00046	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8515
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7995
API Well Number: 177094096300	Drilling Operator: GULFSTREAM ENERGY SERVICES INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 16
Public Info Code: Y 05-AUG-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6680 / 6417	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
6844 / 6559	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7900 / 7466	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 88	Date of Summary: 21-DEC-1995	First Sample Examined: 7590
Lease Number: G10721	Source of Paleo: OPERATOR	Borehole MD: 13300
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12140
API Well Number: 177094107500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 7590 - 13290	Water Depth: 15
Public Info Code: Y 28-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7590 / 7586	DEF AT first sample examined	DEF AT 1
8790 / 8697	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
9930 / 9605	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11040 /10424	DEF AT -----	DEF AT 3
11460 /10752	DEF AT -----	DEF AT 2
12030 /11193	DEF AT -----	DEF AT 3
12600 /11624	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
13290 /12132	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 90	Date of Summary: 13-JUL-1995	First Sample Examined: 0
Lease Number: 00229	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10335
Well Name: 012	Paleo Done By: OPERATOR	Borehole TVD: 9884
API Well Number: 177094103001	Drilling Operator: GULFSTREAM RESOURCES, INC.	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 21
Public Info Code: Y 30-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8610 / 8379	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9030 / 8788	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10010 / 9617	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 91	Date of Summary: 22-OCT-1999	First Sample Examined: 9000
Lease Number: G17963	Source of Paleo: OPERATOR	Borehole MD: 18478
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18471
API Well Number: 177094125900	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 9000 - 18478	Water Depth: 33
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 9000	DEF AT first sample examined	DEF AT 2
9270 / 9270	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT 2
10770 /10770	DEF AT -----	DEF AT 3
10890 /10890	DEF AT -----	DEF AT 4
10950 /10950	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
11040 /11040	DEF AT -----	DEF AT 3
13560 /13557	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
15180 /15173	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
16410 /16403	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17220 /17213	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
17430 /17423	DEF AT -----	DEF AT 6
18478 /18470	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 93	Date of Summary: 21-DEC-1995	First Sample Examined: 8980
Lease Number: 00228	Source of Paleo: OPERATOR	Borehole MD: 15409
Well Name: 013	Paleo Done By: OPERATOR	Borehole TVD: 15103
API Well Number: 177094106000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 8980 - 15409	Water Depth: 25
Public Info Code: Y 08-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8980 / 8967	DEF AT first sample examined	DEF AT 3
9070 / 9054	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
10120 /10070	DEF AT -----	DEF AT 1
10810 /10733	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11830 /11708	DEF AT -----	DEF AT 3
12220 /12085	DEF AT -----	DEF AT 2
12880 /12718	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
13780 /13583	DEF AT -----	DEF AT 2
14290 /14066	DEF AT -----	DEF AT 3
15409 /15102	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 95	Date of Summary: 12-OCT-1995	First Sample Examined: 5574
Lease Number: 00046	Source of Paleo: OPERATOR	Borehole MD: 10795
Well Name: 015	Paleo Done By: OPERATOR	Borehole TVD: 10673
API Well Number: 177094102801	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 5574 - 12922	Water Depth: 20
Public Info Code: Y 17-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5574 / 5574	DEF AT first sample examined	DEF AT 1
6303 / 6300	DEF AT local marker foram increase	DEF AT 1
7621 / 7607	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
7746 / 7731	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
7874 / 7857	DEF AT local marker foram increase	DEF AT 3
8446 / 8424	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8830 / 8804	DEF AT -----	DEF AT 2
9130 / 9101	DEF AT -----	DEF AT 3
9700 / 9664	DEF AT -----	DEF AT 2
9850 / 9811	DEF AT -----	DEF AT 3
10818 /	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 3
10945 /	DEF AT -----	DEF AT 1
11675 /	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
11845 /	DEF AT -----	DEF AT 1
12510 /	DEF AT -----	DEF AT 2
12922 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 95	Date of Summary: 08-AUG-1995	First Sample Examined: 9200
Lease Number: 00046	Source of Paleo: OPERATOR	Borehole MD: 13592
Well Name: 017	Paleo Done By: OPERATOR	Borehole TVD: 13546
API Well Number: 177094104800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 70
Paleo Report Num: 1 of 1	Sample Range: 9200 - 13570	Water Depth: 20
Public Info Code: Y 05-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9200 / 9197	DEF AT first sample examined	DEF AT 2
9249 / 9246	DEF AT local marker foram increase	DEF AT 2
10235 /10210	DEF AT -----	DEF IN 1
10640 /10604	DEF AT -----	DEF AT 2
10670 /10634	DEF AT -----	DEF AT 3
11120 /11081	DEF AT -----	DEF IN 2
11330 /11291	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
12290 /12250	DEF AT -----	DEF IN 3
12347 /12307	DEF AT -----	DEF AT 3
12910 /12869	DEF AT -----	DEF IN 3
13570 /13525	DEF AT last sample examined	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 95	Date of Summary: 10-AUG-1995	First Sample Examined: 7500
Lease Number: 00046	Source of Paleo: OPERATOR	Borehole MD: 12460
Well Name: 018	Paleo Done By: OPERATOR	Borehole TVD: 11308
API Well Number: 177094106900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 7500 - 12430	Water Depth: 15
Public Info Code: Y 27-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7333	DEF AT first sample examined	DEF AT 2
8190 / 7893	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 2
8460 / 8108	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 2
9360 / 8832	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10110 / 9434	DEF AT -----	DEF IN 2
10340 / 9619	DEF AT -----	DEF AT 3
10760 / 9956	DEF AT -----	DEF IN 2
11180 /10288	DEF AT -----	DEF AT 2
11750 /10744	DEF AT -----	DEF AT 3
12430 /11284	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 98	Date of Summary: 14-DEC-2000	First Sample Examined: 0
Lease Number: G17965	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13850
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13847
API Well Number: 177094128200	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 27
Public Info Code: Y 12-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13530 /13527	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 100	Date of Summary: 15-JAN-1996	First Sample Examined: 9493
Lease Number: 00796	Source of Paleo: OPERATOR	Borehole MD: 11807
Well Name: 028	Paleo Done By: OPERATOR	Borehole TVD: 10089
API Well Number: 177094095400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 9493 - 11700	Water Depth: 24
Public Info Code: Y 20-MAY-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9493 / 8292	DEF AT first sample examined	DEF AT 2
9853 / 8513	DEF AT local marker foram increase	DEF AT 2
9973 / 8591	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 2
10330 / 8845	DEF AT local marker foram increase	DEF AT 2
10780 / 9197	DEF AT local marker foram increase	DEF AT 2
10840 / 9247	DEF AT local marker foram increase	DEF AT 3
10870 / 9272	POS AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 2
11165 / 9521	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 2
11255 / 9598	DEF AT - - - - -	DEF AT 3
11700 / 9994	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 100	Date of Summary: 14-JUL-1994	First Sample Examined: 13990
Lease Number: 00796	Source of Paleo: OPERATOR	Borehole MD: 18427
Well Name: 037	Paleo Done By: OPERATOR	Borehole TVD: 17476
API Well Number: 177094096700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 13990 - 18427	Water Depth: 25
Public Info Code: Y 24-DEC-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13990 /13806	DEF AT first sample examined	DEF AT 3
14020 /13830	DEF AT local marker foram increase	DEF AT 3
14170 /13949	DEF AT local marker foram increase	DEF AT 3
14260 /14021	DEF AT local marker foram increase	DEF AT 3
14320 /14068	DEF AT local marker foram increase	DEF AT 3
15400 /14904	DEF AT local marker foram increase	DEF AT 3
15460 /14950	DEF AT - - - - -	DEF AT 2
15940 /15324	DEF AT local marker foram increase	DEF AT 2
16150 /15490	DEF AT local marker foram increase	DEF AT 3
16930 /16145	DEF AT local marker foram increase	DEF AT 3
17590 /16718	DEF AT local marker foram increase	DEF AT 3
17690 /16806	DEF AT local marker foram increase	DEF AT 3
17780 /16886	DEF AT local marker foram increase	DEF AT 2
18200 /17268	DEF AT local marker foram increase	DEF AT 3
18427 /17476	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 105	Date of Summary: 01-FEB-2003	First Sample Examined: 9073
Lease Number: 00797	Source of Paleo: OPERATOR	Borehole MD: 13497
Well Name: D010	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13074
API Well Number: 177094137600	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 9073 - 13497	Water Depth: 25
Public Info Code: Y 21-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Best Ball Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9073 / 9072	DEF AT first sample examined	DEF AT
9130 / 9129	DEF AT -----	DEF AT 0
9280 / 9279	DEF AT shell fragments	DEF AT
9400 / 9399	DEF AT shell fragments	DEF AT
9490 / 9489	DEF AT local marker foram increase	DEF AT
9880 / 9876	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 1
9910 / 9906	DEF AT -----	DEF AT 0
9970 / 9964	DEF AT shell fragments	DEF AT
10150 /10140	DEF AT Arenaceous fauna (local marker)	DEF AT 1
10270 /10255	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
10360 /10341	DEF AT Arenaceous fauna (local marker)	DEF AT 1
10540 /10511	DEF AT -----	DEF AT 0
10660 /10623	POS AT reworked material	DEF AT
10780 /10733	DEF AT -----	DEF IN 0
11050 /10978	DEF AT -----	DEF AT 0
11410 /11306	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 2
11440 /11333	DEF AT -----	DEF AT 0
11650 /11525	DEF AT local marker planktic foram increase	DEF AT 3
11680 /11552	DEF AT pyrite	DEF AT
11710 /11579	DEF AT -----	DEF AT 1
11740 /11606	DEF AT local marker foram increase	DEF AT 1
11890 /11743	DEF AT -----	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 105	Date of Summary: 01-FEB-2003	First Sample Examined: 9073
Lease Number: 00797	Source of Paleo: OPERATOR	Borehole MD: 13497
Well Name: D010	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13074
API Well Number: 177094137600	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 9073 - 13497	Water Depth: 25
Public Info Code: Y 21-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11920 /11771	DEF AT Cyclammia cancellata (local marker)	POS AT 3
11950 /11798	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 2
11980 /11825	DEF AT -----	DEF AT 0
12190 /12013	DEF AT -----	POS AT 2
12220 /12040	DEF AT foram flood	POS AT 2
12250 /12066	DEF AT foram flood	DEF AT
12490 /12269	DEF AT -----	DEF AT 3
12520 /12293	DEF AT Cyclammia cancellata (local marker)	DEF AT 3
12610 /12364	DEF AT -----	DEF AT 0
12700 /12433	DEF AT drilling material	DEF AT
13210 /12829	POS AT local marker planktic foram increase	DEF AT
13480 /13060	DEF AT pyrite	DEF AT
13497 /13075	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 107  
Lease Number: G15241  
Well Name: B001  
API Well Number: 177094109000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 26-MAY-2006

Date of Summary: 08-MAY-1997  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: NORCEN EXPLORER INC  
Sample Range: 7990 - 17800  
Ecozone Eq MMS: Y

First Sample Examined: 7990  
Borehole MD: 17800  
Borehole TVD: 17796  
Rkb Elevation: 125  
Water Depth: 30  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7990 / 7989	DEF AT first sample examined	DEF AT 2
8560 / 8559	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
10420 /10418	POS AT local marker planktic foram increase	DEF AT 3
11559 /11557	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
11560 /11558	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11590 /11588	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
11620 /11618	DEF AT Bathysiphon fauna	DEF AT 4
11650 /11648	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
11950 /11948	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
12220 /12218	POS AT local marker foram decrease	DEF AT 3
13480 /13478	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
16150 /16146	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
17800 /17796	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 108	Date of Summary: 12-MAR-1993	First Sample Examined: 14980
Lease Number: G03811	Source of Paleo: OPERATOR	Borehole MD: 16849
Well Name: 011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15407
API Well Number: 177094093800	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 132
Paleo Report Num: 1 of 4	Sample Range: 14980 - 16600	Water Depth: 28
Public Info Code: Y 04-APR-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14980 /14199	DEF AT first sample examined	DEF AT 2
15070 /14249	DEF AT - - - - -	DEF AT 3
15100 /14266	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
16600 /15291	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 108	<b>Date of Summary:</b> 12-MAR-1993	<b>First Sample Examined:</b> 15430
<b>Lease Number:</b> G03811	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16849
<b>Well Name:</b> 011	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15407
<b>API Well Number:</b> 177094093800	<b>Drilling Operator:</b> LLECO HOLDINGS INC.	<b>Rkb Elevation:</b> 132
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 15430 - 16570	<b>Water Depth:</b> 28
<b>Public Info Code:</b> Y 04-APR-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15430 /14469	DEF AT first sample examined	DEF AT 3
15431 /14470	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
16570 /15269	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 108	Date of Summary: 12-MAR-1993	First Sample Examined: 14980
Lease Number: G03811	Source of Paleo: OPERATOR	Borehole MD: 16849
Well Name: 011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15407
API Well Number: 177094093800	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 132
Paleo Report Num: 3 of 4	Sample Range: 14980 - 16570	Water Depth: 28
Public Info Code: Y 04-APR-2003	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14980 /14199	DEF AT first sample examined	DEF AT
15100 /14266	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16570 /15269	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 108	Date of Summary: 12-MAR-1993	First Sample Examined: 15430
Lease Number: G03811	Source of Paleo: OPERATOR	Borehole MD: 16849
Well Name: 011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15407
API Well Number: 177094093800	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 132
Paleo Report Num: 4 of 4	Sample Range: 15430 - 16570	Water Depth: 28
Public Info Code: Y 04-APR-2003	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report for sidetrack, no diagnostic coccolith markers observed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15430 /14469	DEF AT first sample examined	DEF AT
16570 /15269	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 108	Date of Summary: 01-OCT-2002	First Sample Examined: 9990
Lease Number: G03811	Source of Paleo: OPERATOR	Borehole MD: 21800
Well Name: 014	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 21778
API Well Number: 177094135000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 9990 - 21800	Water Depth: 26
Public Info Code: Y 14-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Hornung prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9990	DEF AT first sample examined	POS AT 1
9991 / 9991	DEF IN gypsum	POS AT 1
10049 /10049	POS AT out-of-place section	POS AT 1
10050 /10050	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 1
10230 /10229	DEF AT -----	POS AT 2
10259 /10258	POS AT reworked material	POS AT 2
10260 /10259	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10290 /10289	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10410 /10409	DEF AT -----	DEF AT
10470 /10469	DEF AT -----	POS AT 3
10500 /10499	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
10650 /10649	DEF AT reworked material	DEF AT 3
10680 /10679	DEF AT -----	POS IN 2
10860 /10859	DEF AT -----	DEF IN 1
11010 /11009	DEF AT -----	POS IN 1
11130 /11129	DEF AT -----	DEF AT 1
11460 /11459	DEF AT pyrite	DEF AT 1
11490 /11489	DEF AT -----	POS IN 1
11520 /11519	POS AT Upper Miocene (Tortonian) Cristellaria "K"	POS IN 1
11610 /11609	DEF AT pyrite	POS IN 1
11880 /11879	DEF AT -----	DEF IN 2
11940 /11939	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 108  
Lease Number: G03811  
Well Name: 014  
API Well Number: 177094135000  
Paleo Report Num: 1 of 2  
Public Info Code: Y 14-NOV-2012

Date of Summary: 01-OCT-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 9990 - 21800  
Ecozone Eq MMS: Y

First Sample Examined: 9990  
Borehole MD: 21800  
Borehole TVD: 21778  
Rkb Elevation: 99  
Water Depth: 26  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11970 /11969	DEF AT -----	POS AT 3
12420 /12419	DEF AT local marker planktic foram increase	POS AT 3
12779 /12778	DEF AT Arenaceous fauna (local marker)	POS AT 3
12780 /12779	DEF AT Upper Miocene (Tortonian) Cyclammina 3	POS AT 3
12900 /12899	DEF AT -----	DEF IN 2
13170 /13169	DEF AT local marker foram increase	DEF AT 3
13200 /13199	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13260 /13259	DEF AT local marker planktic foram increase	DEF IN 3
13350 /13349	DEF AT -----	DEF AT 3
14220 /14219	DEF AT -----	DEF IN 2
14370 /14369	DEF AT -----	DEF AT 3
14520 /14519	DEF AT local marker planktic foram increase	DEF AT 3
15089 /15088	DEF AT local marker planktic foram increase	DEF AT 3
15090 /15089	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
15450 /15449	DEF AT -----	DEF AT 3
15660 /15658	DEF AT -----	POS AT 3
15960 /15958	DEF AT -----	POS AT 1
16140 /16138	DEF AT -----	DEF AT 2
16350 /16348	DEF AT -----	DEF IN 1
16589 /16586	DEF AT local marker planktic foram increase	DEF AT 3
16590 /16587	POS AT unconformity	DEF AT 3
16830 /16827	DEF AT -----	POS IN 2
16890 /16887	DEF AT -----	DEF AT 3
17130 /17126	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 108	Date of Summary: 01-OCT-2002	First Sample Examined: 9990
Lease Number: G03811	Source of Paleo: OPERATOR	Borehole MD: 21800
Well Name: 014	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 21778
API Well Number: 177094135000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 9990 - 21800	Water Depth: 26
Public Info Code: Y 14-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17250 /17246	DEF AT pyrite	DEF AT 3
17580 /17575	DEF AT -----	DEF AT 3
17790 /17784	DEF AT sample gap top	POS AT 3
17940 /17933	DEF AT sample gap bottom	DEF AT 3
18570 /18560	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
18660 /18650	DEF AT Upper Miocene (Tortonian) Textularia "G"	POS AT 3
18750 /18740	DEF AT local marker planktic foram increase	DEF AT 3
18960 /18950	DEF AT -----	POS AT 3
19979 /19967	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 3
19980 /19968	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
20040 /20028	DEF AT -----	POS AT 3
20609 /20595	POS AT out-of-place section	POS IN 3
20610 /20596	DEF AT local marker foram increase	POS IN 3
20730 /20715	DEF AT -----	POS AT 3
20850 /20834	DEF AT -----	POS IN 3
21240 /21222	DEF AT -----	POS AT 4
21270 /21252	DEF AT local marker planktic foram increase	POS IN 3
21420 /21400	DEF AT -----	POS IN 3
21750 /21728	DEF AT -----	POS AT 4
21779 /21757	POS AT out-of-place section	POS AT 4
21780 /21758	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 4
21800 /21778	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 108	Date of Summary: 01-OCT-2002	First Sample Examined: 9990
Lease Number: G03811	Source of Paleo: OPERATOR	Borehole MD: 21800
Well Name: 014	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 21778
API Well Number: 177094135000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 9990 - 21800	Water Depth: 26
Public Info Code: Y 14-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Hornung prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9990	DEF AT first sample examined	DEF AT
10230 /10229	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
10290 /10289	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10350 /10349	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12600 /12599	DEF AT Upper Miocene (Tortonian) Reticulofenestra pseudumbilica "C"	DEF AT
12780 /12779	DEF AT local marker floral increase	DEF AT
13260 /13259	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14520 /14519	DEF AT local marker floral increase	DEF AT
14580 /14579	DEF AT reworked material	DEF AT
15120 /15119	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
16830 /16827	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17790 /17784	DEF AT sample gap top	DEF AT
17940 /17933	DEF AT sample gap bottom	DEF AT
18570 /18560	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19980 /19968	POS AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
20250 /20237	DEF AT local marker floral decrease	DEF AT
21800 /21778	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 108  
 Lease Number: G15241  
 Well Name: 003  
 API Well Number: 177094112100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 27-FEB-2007

Date of Summary: 19-NOV-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: NORCEN EXPLORER INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 17350  
 Borehole TVD: 16558  
 Rkb Elevation: 93  
 Water Depth: 33  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 /10099	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11410 /11409	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11760 /11759	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13880 /13856	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 113A	Date of Summary: 15-AUG-2007	First Sample Examined: 9000
Lease Number: G27910	Source of Paleo: OPERATOR	Borehole MD: 18503
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18499
API Well Number: 177094146700	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 9000 - 18526	Water Depth: 58
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT 2
9060 / 9059	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 2
11110 /11109	DEF AT -----	DEF AT 3
11530 /11529	DEF AT -----	DEF AT 4
12190 /12189	DEF AT -----	DEF AT 3
12520 /12518	DEF AT -----	DEF AT 2
12700 /12698	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
12790 /12788	DEF AT -----	DEF AT 3
13000 /12998	DEF AT -----	DEF AT 4
13750 /13748	DEF AT -----	DEF AT 3
14560 /14558	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
16074 /16072	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
16974 /16972	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
18436 /18432	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
18526 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 113B	<b>Date of Summary:</b> 22-OCT-2004	<b>First Sample Examined:</b> 19830
<b>Lease Number:</b> G22662	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22361
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22115
<b>API Well Number:</b> 177094141201	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19830 - 22320	<b>Water Depth:</b> 53
<b>Public Info Code:</b> Y 01-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19830 /19825	DEF AT first sample examined	DEF AT 3
19831 /19826	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
20280 /20273	DEF AT faunal change (no faunal increase)	DEF AT 4
20369 /20360	DEF AT reworked material	DEF AT 4
20370 /20361	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
21510 /21434	DEF AT faunal change (no faunal increase)	DEF AT 3
22320 /22084	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 116	Date of Summary: 20-SEP-1991	First Sample Examined: 0
Lease Number: 00478	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8354
Well Name: 013	Paleo Done By: OPERATOR	Borehole TVD: 8335
API Well Number: 177094088300	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 17-SEP-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6970 / 6967	POS AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 118	Date of Summary: 25-JUL-1996	First Sample Examined: 8000
Lease Number: G15242	Source of Paleo: OPERATOR	Borehole MD: 18350
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18328
API Well Number: 177094109800	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 8000 - 18350	Water Depth: 34
Public Info Code: Y 09-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 2
9800 / 9798	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
11570 /11566	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
11600 /11596	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
11690 /11686	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
11720 /11716	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
11810 /11806	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
11900 /11896	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
11960 /11956	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
12620 /12616	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
18350 /18328	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 118	Date of Summary: 28-DEC-1999	First Sample Examined: 0
Lease Number: G15242	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 19725
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17710
API Well Number: 177094122800	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 10-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16315 /15718	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 119	Date of Summary: 01-SEP-2000	First Sample Examined: 7850
Lease Number: 00049	Source of Paleo: OPERATOR	Borehole MD: 15103
Well Name: 037	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15090
API Well Number: 177094129000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7850 - 15100	Water Depth: 35
Public Info Code: Y 29-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7850 / 7848	DEF AT first sample examined	DEF AT 1
7880 / 7878	DEF AT local marker benthic foram increase	DEF AT 1
8900 / 8898	DEF AT shell fragments	DEF AT 1
9020 / 9018	DEF AT local marker (general)	DEF AT 1
9200 / 9198	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 1
9710 / 9708	DEF AT shell fragments	DEF AT 1
9950 / 9948	DEF AT local marker benthic foram increase	DEF AT 1
10040 /10038	DEF AT pyrite	DEF AT 1
10190 /10188	DEF AT Arenaceous fauna (local marker)	DEF AT 1
10400 /10398	DEF AT shell fragments	DEF AT 1
10640 /10638	POS AT reworked material	DEF AT 1
10880 /10878	DEF AT pyrite	DEF AT 1
10969 /10967	POS AT unconformity	DEF AT 4
10970 /10968	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
11030 /11028	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11059 /11057	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
11060 /11058	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
11090 /11088	DEF AT local marker foram increase	DEF AT 4
11180 /11178	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
11240 /11238	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
11420 /11418	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
11480 /11478	DEF AT pyrite	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 119	Date of Summary: 01-SEP-2000	First Sample Examined: 7850
Lease Number: 00049	Source of Paleo: OPERATOR	Borehole MD: 15103
Well Name: 037	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15090
API Well Number: 177094129000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7850 - 15100	Water Depth: 35
Public Info Code: Y 29-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11600 /11598	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11660 /11658	DEF AT sand	DEF IN 2
11845 /11843	DEF AT sample gap top	DEF IN 2
11990 /11988	DEF AT sample gap bottom	DEF AT 2
12140 /12138	DEF AT local marker benthic foram increase	DEF AT 2
12500 /12497	DEF AT -----	DEF IN 1
12650 /12647	DEF AT -----	DEF AT 2
12680 /12677	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
12770 /12767	DEF AT -----	DEF IN 1
12920 /12917	DEF AT -----	DEF AT 2
13010 /13007	DEF AT sand	DEF AT 2
13070 /13066	DEF AT sand	DEF IN 1
13190 /13186	DEF AT -----	DEF AT 2
13250 /13246	DEF AT local marker benthic foram increase	DEF IN 2
13279 /13275	POS AT unconformity	POS AT 3
13280 /13276	DEF AT local marker foram increase	POS AT 3
13310 /13306	DEF AT local marker benthic foram increase	DEF IN 3
13370 /13366	DEF AT local marker deep water fauna	DEF IN 3
13550 /13546	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 3
13760 /13755	DEF AT -----	DEF AT 3
13820 /13815	DEF AT Eggerella 3 (local marker)	DEF AT 3
13848 /13843	POS AT unconformity	DEF IN 3
13849 /13844	DEF AT local marker planktic foram increase	DEF IN 3
13850 /13845	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 119	<b>Date of Summary:</b> 01-SEP-2000	<b>First Sample Examined:</b> 7850
<b>Lease Number:</b> 00049	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15103
<b>Well Name:</b> 037	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15090
<b>API Well Number:</b> 177094129000	<b>Drilling Operator:</b> DEVON LOUISIANA CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7850 - 15100	<b>Water Depth:</b> 35
<b>Public Info Code:</b> Y 29-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13940 /13935	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
14150 /14144	DEF AT - - - - -	DEF AT 3
14330 /14323	DEF AT local marker benthic foram increase	DEF AT 3
14390 /14383	DEF AT Eggerella sp. (local marker)	DEF AT 3
14540 /14532	DEF AT local marker planktic foram increase	DEF AT 3
14750 /14740	DEF AT Upper Miocene (Tortonian) Discorbis 12	POS IN 3
14809 /14799	DEF AT Eggerella sp. (local marker)	DEF IN 3
14810 /14800	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS IN 3
14870 /14859	DEF AT sand	DEF AT 3
14900 /14889	DEF AT pyrite	DEF AT 3
15100 /15087	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 119	Date of Summary: 01-SEP-2000	First Sample Examined: 12100
Lease Number: 00049	Source of Paleo: OPERATOR	Borehole MD: 16250
Well Name: 037	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15553
API Well Number: 177094129001	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 12100 - 16250	Water Depth: 35
Public Info Code: Y 10-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Inverness Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12100 /12097	DEF AT first sample examined	DEF AT
12101 /12098	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12340 /12334	DEF AT local marker foram increase	DEF AT 2
12520 /12509	DEF AT local marker benthic foram increase	DEF AT 2
12610 /12595	DEF AT pyrite	DEF AT 2
12670 /12652	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
12790 /12765	DEF AT - - - - -	DEF IN 1
12850 /12821	DEF AT pyrite	DEF IN 1
13269 /13194	POS AT unconformity	DEF AT 3
13270 /13195	DEF AT local marker benthic foram increase	DEF AT 3
13300 /13220	DEF AT local marker planktic foram increase	DEF AT 3
13390 /13296	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
13450 /13346	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
13480 /13371	DEF AT sand	DEF IN 2
13540 /13421	DEF AT - - - - -	DEF AT 2
13690 /13540	DEF AT pyrite	DEF AT 2
13750 /13588	DEF AT local marker benthic foram increase	POS AT 2
14380 /14084	DEF AT Arenaceous fauna (local marker)	POS AT 2
14500 /14178	DEF AT local marker benthic foram increase	POS AT 2
14619 /14271	POS AT unconformity	POS AT 2
14620 /14272	DEF AT pyrite	POS AT 2
14649 /14295	DEF AT local marker planktic foram increase	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 119	<b>Date of Summary:</b> 01-SEP-2000	<b>First Sample Examined:</b> 12100
<b>Lease Number:</b> 00049	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16250
<b>Well Name:</b> 037	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15553
<b>API Well Number:</b> 177094129001	<b>Drilling Operator:</b> DEVON LOUISIANA CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12100 - 16250	<b>Water Depth:</b> 35
<b>Public Info Code:</b> Y 10-OCT-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14650 /14296	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
14770 /14390	DEF AT pyrite	DEF AT 3
14860 /14460	DEF AT pyrite	DEF AT 3
14980 /14554	DEF AT Cyclammina sp. (local marker)	DEF AT 3
15100 /14649	DEF AT - - - - -	POS AT 3
15310 /14815	DEF AT pyrite	POS AT 3
15490 /14957	DEF AT pyrite	POS AT 3
15520 /14980	DEF AT sample gap top	POS AT 3
15700 /15122	DEF AT sample gap bottom	POS AT 3
16058 /15402	POS AT unconformity	DEF IN 3
16059 /15403	DEF AT local marker planktic foram increase	DEF IN 3
16060 /15404	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
16120 /15451	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF IN 3
16150 /15474	DEF AT local marker planktic foram increase	DEF IN 3
16210 /15522	DEF AT Arenaceous fauna (local marker)	DEF IN 3
16250 /15553	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 123	<b>Date of Summary:</b> 21-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16350	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11805
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11805
<b>API Well Number:</b> 177094132100	<b>Drilling Operator:</b> PETROBRAS AMERICA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 30
<b>Public Info Code:</b> Y 30-MAY-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10050 /10049	DEF AT Upper (Late) Miocene	DEF AT
10740 /10739	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11460 /11459	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 125	Date of Summary: 25-SEP-1990	First Sample Examined: 0
Lease Number: 00051	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11447
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 11266
API Well Number: 177094086300	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 39
Public Info Code: Y 20-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10580 /10454	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10940 /10790	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 125	Date of Summary: 12-AUG-2000	First Sample Examined: 0
Lease Number: 00051	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13973
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 13556
API Well Number: 177094092900	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 22-NOV-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5090 / 5089	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
12400 /11987	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 126	Date of Summary: 28-NOV-1990	First Sample Examined: 0
Lease Number: 00052	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9923
Well Name: 031	Paleo Done By: OPERATOR	Borehole TVD: 9850
API Well Number: 177094086702	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 09-NOV-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9460 / 9401	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 128	Date of Summary: 22-NOV-1994	First Sample Examined: 0
Lease Number: 00053	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16328
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 16230
API Well Number: 177094102000	Drilling Operator: MOBIL EXPLORATION AND PRODUCIN	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 10-NOV-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14193 /14142	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT
15165 /15068	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 128A  
 Lease Number: 00442  
 Well Name: JE024  
 API Well Number: 177094111300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 19-DEC-2006

Date of Summary: 03-NOV-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: NEWFIELD EXPLORATION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13607  
 Borehole TVD: 13400  
 Rkb Elevation: 82  
 Water Depth: 51  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6695 / 6571	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8130 / 7996	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9330 / 9190	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 133	Date of Summary: 06-JUN-1996	First Sample Examined: 11690
Lease Number: G04445	Source of Paleo: OPERATOR	Borehole MD: 17800
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17765
API Well Number: 177094108200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 11690 - 17800	Water Depth: 65
Public Info Code: Y 03-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11690 /11689	DEF AT first sample examined	DEF IN 2
11870 /11869	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
12080 /12079	DEF AT -----	DEF IN 1
12290 /12289	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 1
12470 /12469	DEF AT -----	DEF IN 2
13050 /13048	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
13560 /13558	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 2
13620 /13618	DEF AT -----	DEF AT 4
13680 /13678	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
13710 /13708	DEF AT -----	DEF IN 1
14310 /14307	DEF AT -----	DEF AT 3
14760 /14757	DEF AT -----	DEF AT 4
14820 /14817	DEF AT -----	DEF IN 2
15570 /15566	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
15960 /15955	DEF AT -----	DEF AT 4
15990 /15985	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
16080 /16074	DEF AT -----	DEF IN 2
17400 /17374	DEF AT -----	DEF AT 1
17730 /17697	DEF AT -----	DEF AT 2
17800 /17765	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 133	<b>Date of Summary:</b> 06-JUN-1996	<b>First Sample Examined:</b> 15500
<b>Lease Number:</b> G04445	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17726
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17138
<b>API Well Number:</b> 177094108201	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15500 - 17720	<b>Water Depth:</b> 65
<b>Public Info Code:</b> Y 23-MAY-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15500 /15497	DEF AT first sample examined	DEF IN 2
15620 /15616	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 2
16010 /15999	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 2
17120 /16788	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 2
17150 /16806	DEF AT -----	DEF IN 1
17450 /16980	DEF AT -----	DEF IN 2
17510 /17014	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradius	DEF IN 2
17720 /17134	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 135	Date of Summary: 01-SEP-1997	First Sample Examined: 13500
Lease Number: G14467	Source of Paleo: OPERATOR	Borehole MD: 19431
Well Name: A002	Paleo Done By: STORK & ASS.	Borehole TVD: 18932
API Well Number: 177094113700	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 12000 - 19431	Water Depth: 68
Public Info Code: Y 06-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13396	DEF AT first sample examined	DEF IN 1
13501 /13397	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 1
14100 /13965	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 2
14280 /14138	DEF AT - - - - -	DEF IN 1
14370 /14224	DEF AT Arenaceous fauna (local marker)	DEF IN 1
14430 /14280	DEF AT - - - - -	DEF AT 2
14730 /14562	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
14970 /14784	DEF AT - - - - -	DEF AT 3
15000 /14811	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
15360 /15141	DEF AT Arenaceous fauna (local marker)	DEF AT 3
15420 /15196	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
15720 /15475	DEF AT - - - - -	DEF IN 3
15869 /15614	DEF AT Eggerella 3 (local marker)	DEF AT 3
15870 /15615	DEF AT Cyclammia cancellata (local marker)	DEF AT 3
16110 /15838	DEF AT Bathysiphon fauna	DEF AT 3
16260 /15976	DEF AT local marker planktic foram increase	DEF IN 3
16530 /16221	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
16560 /16248	DEF AT local marker deep water fauna	DEF AT 4
16830 /16489	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
16950 /16597	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
17069 /16706	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
17070 /16706	DEF IN Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 135	Date of Summary: 01-SEP-1997	First Sample Examined: 13500
Lease Number: G14467	Source of Paleo: OPERATOR	Borehole MD: 19431
Well Name: A002	Paleo Done By: STORK & ASS.	Borehole TVD: 18932
API Well Number: 177094113700	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 12000 - 19431	Water Depth: 68
Public Info Code: Y 06-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17310 /16931	DEF AT - - - - -	DEF IN 3
17430 /17044	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17640 /17242	DEF AT - - - - -	DEF IN 3
17760 /17354	DEF AT local marker planktic foram increase	DEF AT 4
17970 /17551	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18029 /17607	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
18030 /17608	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
18360 /17917	DEF AT local marker benthic foram increase	DEF AT 4
18510 /18058	DEF AT local marker benthic foram increase	DEF AT 4
19260 /18769	DEF AT local marker benthic foram increase	DEF AT 4
19400 /18902	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 142	<b>Date of Summary:</b> 23-SEP-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10726	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17459
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16834
<b>API Well Number:</b> 177094086600	<b>Drilling Operator:</b> NORCEN EXPLORER INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 24-NOV-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14800 /14799	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15600 /15599	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
16520 /16518	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 142	Date of Summary: 28-FEB-1990	First Sample Examined: 4500
Lease Number: G10726	Source of Paleo: OPERATOR	Borehole MD: 16480
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16480
API Well Number: 177094084500	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 4500 - 16470	Water Depth: 47
Public Info Code: Y 21-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF IN 2
4590 / 4590	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5220 / 5220	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
6120 / 6120	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10710 /10709	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
12480 /12479	DEF AT faunal change (no faunal increase)	DEF AT 4
13140 /13139	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14340 /14339	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
15720 /15719	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
16470 /16469	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 142	Date of Summary: 13-JUN-1990	First Sample Examined: 13000
Lease Number: G10726	Source of Paleo: OPERATOR	Borehole MD: 16346
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16146
API Well Number: 177094085700	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 90
Paleo Report Num: 1 of 2	Sample Range: 13000 - 15820	Water Depth: 47
Public Info Code: Y 11-JUL-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13000 /12995	DEF AT first sample examined	DEF AT 4
13001 /12996	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 4
13180 /13175	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14740 /14689	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
15670 /15529	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
15820 /15664	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 142	Date of Summary: 13-JUN-1990	First Sample Examined: 15790
Lease Number: G10726	Source of Paleo: OPERATOR	Borehole MD: 16346
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16146
API Well Number: 177094085700	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 90
Paleo Report Num: 2 of 2	Sample Range: 15790 - 16346	Water Depth: 47
Public Info Code: Y 11-JUL-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15790 /15637	DEF AT first sample examined	DEF AT 4
16346 /16146	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 143  
Lease Number: G17973  
Well Name: 001  
API Well Number: 177094116600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 04-JAN-2008

Date of Summary: 13-JAN-1998  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MURPHY EXPLORATION & PRODUCTIO  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 15904  
Borehole TVD: 15687  
Rkb Elevation: 78  
Water Depth: 40  
Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5100 / 5100	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8120 / 8120	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9800 / 9800	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
11480 /11479	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
13010 /13009	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13250 /13249	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13340 /13339	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14480 /14440	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 147	Date of Summary: 04-MAR-1996	First Sample Examined: 0
Lease Number: G15243	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13773
API Well Number: 177094108500	Drilling Operator: AMERICAN EXPLORER INC.	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 53
Public Info Code: Y 27-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11012 /10975	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
12590 /12428	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 147	Date of Summary: 06-DEC-2000	First Sample Examined: 0
Lease Number: G15243	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16606
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16272
API Well Number: 177094128101	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 53
Public Info Code: Y 18-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15750 /15445	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 152	Date of Summary: 04-JAN-1996	First Sample Examined: 11400
Lease Number: G27107	Source of Paleo: OPERATOR	Borehole MD: 20650
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20627
API Well Number: 177094108700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 11400 - 20650	Water Depth: 72
Public Info Code: Y 21-NOV-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11399	DEF AT first sample examined	DEF AT
12060 /12059	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18780 /18773	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20650 /20627	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 152  
Lease Number: G27107  
Well Name: 001  
API Well Number: 177094108700  
Paleo Report Num: 2 of 2  
Public Info Code: Y 21-NOV-2003

Date of Summary: 19-MAR-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 11400 - 20640  
Ecozone Eq MMS: Y

First Sample Examined: 11400  
Borehole MD: 20650  
Borehole TVD: 20627  
Rkb Elevation: 100  
Water Depth: 72  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11399	DEF AT first sample examined	DEF AT 1
11610 /11609	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT 1
11640 /11639	DEF AT -----	DEF AT 2
11700 /11699	DEF AT -----	DEF AT 1
12030 /12029	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
12150 /12149	DEF AT -----	DEF AT 2
12510 /12509	DEF AT local marker foram increase	DEF AT 2
12570 /12569	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
12600 /12599	DEF AT -----	DEF AT 2
13170 /13169	DEF AT local marker foram increase	DEF AT 2
13200 /13199	DEF AT -----	DEF AT 1
13770 /13768	DEF AT -----	DEF AT 2
13800 /13798	DEF AT local marker foram increase	DEF AT 2
14070 /14067	DEF AT -----	DEF AT 1
14430 /14427	DEF AT -----	DEF AT 2
14610 /14606	DEF AT -----	DEF AT 1
14700 /14696	DEF AT -----	DEF AT 2
15000 /14996	DEF AT -----	DEF AT 1
15120 /15116	DEF AT -----	DEF AT 2
15600 /15595	DEF AT -----	DEF AT 1
15840 /15835	DEF AT -----	DEF AT 2
15870 /15865	DEF AT -----	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 152	Date of Summary: 19-MAR-1996	First Sample Examined: 11400
Lease Number: G27107	Source of Paleo: OPERATOR	Borehole MD: 20650
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20627
API Well Number: 177094108700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 11400 - 20640	Water Depth: 72
Public Info Code: Y 21-NOV-2003	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16200 /16195	DEF AT -----	DEF AT 3
16230 /16225	DEF AT local marker foram increase	DEF AT 3
16350 /16345	DEF AT -----	DEF AT 2
16410 /16405	DEF AT -----	DEF AT 3
16470 /16465	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
16560 /16555	DEF AT -----	DEF AT 2
16770 /16765	DEF AT -----	DEF AT 1
16890 /16885	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 3
17010 /17005	DEF AT -----	DEF AT 2
17370 /17365	DEF AT -----	DEF AT 3
17490 /17485	DEF AT local marker foram increase	DEF AT 3
17790 /17785	DEF AT -----	DEF AT 2
17820 /17814	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
18060 /18054	DEF AT local marker foram increase	DEF AT 2
18450 /18444	DEF AT local marker foram increase	DEF AT 3
18540 /18534	DEF AT local marker foram increase	DEF AT 3
18810 /18803	DEF AT local marker foram increase	DEF AT 3
18870 /18863	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
18960 /18953	DEF AT local marker foram increase	DEF AT 3
19140 /19132	DEF AT -----	DEF AT 2
19530 /19521	DEF AT local marker foram increase	DEF AT 3
19590 /19581	DEF AT -----	DEF AT 2
19680 /19671	DEF AT -----	DEF AT 3
19770 /19760	DEF AT local marker foram increase	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 152  
 Lease Number: G27107  
 Well Name: 001  
 API Well Number: 177094108700  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 21-NOV-2003

Date of Summary: 19-MAR-1996  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 11400 - 20640  
 Ecozone Eq MMS: Y

First Sample Examined: 11400  
 Borehole MD: 20650  
 Borehole TVD: 20627  
 Rkb Elevation: 100  
 Water Depth: 72  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20280 /20267	DEF AT -----	DEF AT 2
20430 /20414	DEF AT -----	DEF AT 3
20490 /20472	DEF AT -----	DEF AT 2
20550 /20530	DEF AT -----	DEF AT 2
20640 /20617	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 152	Date of Summary: 13-MAR-2008	First Sample Examined: 19860
Lease Number: G27107	Source of Paleo: OPERATOR	Borehole MD: 21391
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21368
API Well Number: 177094108701	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 19860 - 21170	Water Depth: 72
Public Info Code: Y 22-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19860 /19850	DEF AT first sample examined	DEF AT 4
20060 /20049	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
20209 /20197	POS AT maximum flooding surface	DEF AT 4
20210 /20198	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
21170 /21117	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 159	Date of Summary: 13-AUG-1997	First Sample Examined: 0
Lease Number: G04449	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18096
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 17600
API Well Number: 177094113400	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 147
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 10-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16950 /16456	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 162	Date of Summary: 13-JAN-1994	First Sample Examined: 0
Lease Number: G11952	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15745
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15400
API Well Number: 177094098200	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 67
Public Info Code: Y 17-JAN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11975 /11883	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14950 /14697	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 162	Date of Summary: 30-SEP-1991	First Sample Examined: 9000
Lease Number: G11952	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16535
API Well Number: 177094090100	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 58
Paleo Report Num: 1 of 1	Sample Range: 9000 - 16535	Water Depth: 67
Public Info Code: Y 23-OCT-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT 2
9450 / 9449	POS AT - - - - -	POS AT 3
10830 /10829	POS AT Upper Miocene (Messinian) Textularia "X"	POS AT 3
11730 /11728	DEF AT local marker benthic foram increase	DEF AT 3
11790 /11788	DEF AT Cyclammina sp. (local marker)	DEF AT 4
11820 /11818	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
12480 /12478	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
15629 /15627	DEF AT Eggerella 3 (local marker)	DEF AT 5
15630 /15628	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 5
16240 /16237	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
16535 /16532	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 170	Date of Summary: 20-JUL-2001	First Sample Examined: 9480
Lease Number: G16355	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22994
API Well Number: 177094131600	Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 9480 - 23000	Water Depth: 75
Public Info Code: Y 29-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9480	DEF AT first sample examined	DEF AT 2
9930 / 9930	POS IN Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 2
10710 /10710	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 2
10769 /10769	DEF AT Cyclammina sp. (local marker)	DEF AT 2
10770 /10770	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 2
10800 /10800	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 2
10890 /10890	DEF AT - - - - -	DEF AT 3
11100 /11100	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11670 /11670	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
12330 /12329	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
12360 /12359	DEF AT local marker foram decrease	DEF AT 3
14789 /14788	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
14790 /14789	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
16920 /16917	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
18210 /18204	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
19530 /19524	DEF AT - - - - -	DEF AT 5
22140 /22134	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
22470 /22464	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
23000 /22994	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 170	<b>Date of Summary:</b> 20-JUL-2001	<b>First Sample Examined:</b> 13830
<b>Lease Number:</b> G16355	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22994
<b>API Well Number:</b> 177094131600	<b>Drilling Operator:</b> NEXEN PETROLEUM OFFSHORE USA INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13830 - 23000	<b>Water Depth:</b> 75
<b>Public Info Code:</b> Y 29-AUG-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13830 /13829	DEF AT first sample examined	DEF AT
14790 /14789	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18120 /18114	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19290 /19284	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23000 /22994	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 172	Date of Summary: 06-DEC-1993	First Sample Examined: 0
Lease Number: G05494	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15640
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 15237
API Well Number: 177094071300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 79
Public Info Code: Y 30-OCT-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10673	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
14190 /13956	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 173	<b>Date of Summary:</b> 03-DEC-1992	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G13622	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16997
<b>API Well Number:</b> 177094093200	<b>Drilling Operator:</b> NORCEN EXPLORER INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7000 - 17000	<b>Water Depth:</b> 80
<b>Public Info Code:</b> Y 28-DEC-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 7000	DEF AT first sample examined	DEF AT 2
7001 / 7001	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8800 / 8800	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 2
10150 /10150	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
10570 /10570	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14170 /14169	DEF AT -----	DEF AT 4
17000 /16997	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 176	<b>Date of Summary:</b> 05-DEC-1995	<b>First Sample Examined:</b> 10340
<b>Lease Number:</b> 00445	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13191
<b>Well Name:</b> JA011	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12918
<b>API Well Number:</b> 177094099600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10340 - 13136	<b>Water Depth:</b> 80
<b>Public Info Code:</b> Y 03-MAY-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10340 /10321	DEF AT first sample examined	POS AT 2
10400 /10379	DEF AT local marker foram increase	DEF AT 2
10520 /10495	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 2
10760 /10726	DEF AT local marker foram increase	DEF AT 3
11240 /11184	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
12620 /12419	DEF AT local marker foram increase	DEF AT 4
13136 /12870	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 176	Date of Summary: 15-DEC-1995	First Sample Examined: 7790
Lease Number: 00445	Source of Paleo: OPERATOR	Borehole MD: 9583
Well Name: JA013	Paleo Done By: OPERATOR	Borehole TVD: 9332
API Well Number: 177094105501	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7790 - 9548	Water Depth: 80
Public Info Code: Y 30-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7790 / 7546	DEF AT first sample examined	POS AT 2
8269 / 8019	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
9162 / 8912	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
9548 / 9297	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 176	Date of Summary: 18-DEC-1995	First Sample Examined: 12640
Lease Number: G11951	Source of Paleo: OPERATOR	Borehole MD: 15648
Well Name: JC001	Paleo Done By: OPERATOR	Borehole TVD: 14231
API Well Number: 177094101500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 12640 - 15648	Water Depth: 80
Public Info Code: Y 02-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12640 /12319	DEF AT first sample examined	POS IN 2
12790 /12425	DEF AT local marker foram increase	DEF IN 2
13540 /12892	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 2
14170 /13293	DEF AT Arenaceous fauna (local marker)	DEF IN 2
14740 /13659	DEF AT local marker foram increase	DEF IN 2
15070 /13863	DEF AT local marker foram increase	DEF IN 1
15550 /14172	DEF AT local marker foram increase	DEF AT 2
15648 /14234	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 182	Date of Summary: 30-JAN-2001	First Sample Examined: 0
Lease Number: G04452	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13668
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 12451
API Well Number: 177094062501	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 21-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13456 /12262	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 184	Date of Summary: 13-MAY-1991	First Sample Examined: 0
Lease Number: G05498	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14900
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13744
API Well Number: 177094088100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7170 / 7155	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11400 /10888	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
12240 /11583	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13740 /12789	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 184	<b>Date of Summary:</b> 08-OCT-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05498	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15322
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15070
<b>API Well Number:</b> 177094089500	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 129
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 88
<b>Public Info Code:</b> Y 30-SEP-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10930 /10692	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
11290 /11044	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13030 /12782	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 184  
 Lease Number: G05498  
 Well Name: A005  
 API Well Number: 177094121800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 23-NOV-2008

Date of Summary: 05-NOV-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: TOTAL E&P USA INC  
 Sample Range: 8950 - 13320  
 Ecozone Eq MMS: Y

First Sample Examined: 8950  
 Borehole MD: 13338  
 Borehole TVD: 13212  
 Rkb Elevation: 131  
 Water Depth: 88  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8950 / 8949	DEF AT first sample examined	DEF AT 2
9510 / 9505	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
10890 /10812	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11940 /11827	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
13320 /13194	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 184	Date of Summary: 30-SEP-1998	First Sample Examined: 0
Lease Number: G17981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13770
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13332
API Well Number: 177094121500	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 12-AUG-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4830 / 4828	DEF AT - - - - -	DEF AT 2
5160 / 5158	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6390 / 6388	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
10560 /10343	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 2
10950 /10698	DEF AT - - - - -	DEF AT 3
11970 /11622	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12480 /12089	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 187  
 Lease Number: G10736  
 Well Name: JC001  
 API Well Number: 177094091100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 26-MAY-2002

Date of Summary: 26-JUL-1992  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 11027 - 16875  
 Ecozone Eq MMS: Y

First Sample Examined: 11511  
 Borehole MD: 16875  
 Borehole TVD: 16171  
 Rkb Elevation: 90  
 Water Depth: 78  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11511 /11506	DEF AT first sample examined	POS AT 2
12110 /12105	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
15950 /15544	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
16875 /16171	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 187	Date of Summary: 26-JUL-1992	First Sample Examined: 15831
Lease Number: G10736	Source of Paleo: OPERATOR	Borehole MD: 17235
Well Name: JC001	Paleo Done By: OPERATOR	Borehole TVD: 16173
API Well Number: 177094091101	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 11087 - 17210	Water Depth: 78
Public Info Code: Y 02-JUL-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15831 /15278	DEF AT first sample examined	DEF AT 3
16070 /15431	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
17210 /16157	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 187	Date of Summary: 07-OCT-1993	First Sample Examined: 14470
Lease Number: G10736	Source of Paleo: OPERATOR	Borehole MD: 18706
Well Name: JD001	Paleo Done By: OPERATOR	Borehole TVD: 17077
API Well Number: 177094092801	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 10000 - 18706	Water Depth: 78
Public Info Code: Y 14-MAR-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14470 /14069	DEF AT first sample examined	DEF AT 3
18706 /17077	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 188	Date of Summary: 02-JUN-1994	First Sample Examined: 14100
Lease Number: 00443	Source of Paleo: OPERATOR	Borehole MD: 16339
Well Name: JE001	Paleo Done By: OPERATOR	Borehole TVD: 16311
API Well Number: 177094096500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 14100 - 16320	Water Depth: 71
Public Info Code: Y 03-OCT-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14100 /14098	DEF AT first sample examined	DEF AT
14130 /14128	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
15150 /15146	DEF AT local marker foram increase	DEF AT
16050 /16032	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT
16320 /16294	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 190	Date of Summary: 25-MAR-2004	First Sample Examined: 4230
Lease Number: G08434	Source of Paleo: OPERATOR	Borehole MD: 8501
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8171
API Well Number: 177094138802	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 130
Paleo Report Num: 1 of 2	Sample Range: 4230 - 8490	Water Depth: 70
Public Info Code: Y 18-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4230 / 4052	DEF AT first sample examined	POS AT 3
4231 / 4053	DEF AT cement	POS AT 3
4410 / 4218	DEF AT - - - - -	DEF AT 3
4439 / 4245	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
4440 / 4246	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
4739 / 4523	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
4740 / 4524	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
4859 / 4635	DEF AT anhydrite	DEF AT 3
4860 / 4636	DEF AT salt	DEF AT 3
4950 / 4721	DEF AT out-of-place section	POS AT 3
5310 / 5066	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
5670 / 5414	DEF AT out-of-place section	DEF AT 3
5970 / 5701	DEF AT sample gap top	POS AT 3
6330 / 6044	DEF AT sample gap bottom	DEF AT 3
7440 / 7114	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
8160 / 7831	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
8490 / 8160	DEF AT last sample examined	DEF AT 3

**This report contains public paleo reports only for the time period stated**



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 190	Date of Summary: 25-MAR-2004	First Sample Examined: 4230
Lease Number: G08434	Source of Paleo: OPERATOR	Borehole MD: 8501
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8171
API Well Number: 177094138802	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 130
Paleo Report Num: 2 of 2	Sample Range: 4230 - 8490	Water Depth: 70
Public Info Code: Y 18-MAR-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4230 / 4052	DEF AT first sample examined	DEF AT
4290 / 4107	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4710 / 4496	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4800 / 4580	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4889 / 4664	DEF AT salt	DEF AT
4890 / 4665	DEF AT out-of-place section	DEF AT
5970 / 5701	DEF AT sample gap top	DEF AT
6330 / 6044	DEF AT sample gap bottom	DEF AT
6930 / 6619	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
7860 / 7531	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8490 / 8160	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 190	<b>Date of Summary:</b> 22-OCT-2004	<b>First Sample Examined:</b> 8820
<b>Lease Number:</b> G08434	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18095
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18065
<b>API Well Number:</b> 177094142300	<b>Drilling Operator:</b> MILLENNIUM OFFSHORE GROUP INC	<b>Rkb Elevation:</b> 131
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8820 - 18095	<b>Water Depth:</b> 71
<b>Public Info Code:</b> Y 18-MAR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8820 / 8806	DEF AT first sample examined	DEF AT 3
8821 / 8807	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
11790 /11761	DEF AT -----	DEF AT 4
13170 /13141	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14610 /14581	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15270 /15241	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
15390 /15361	DEF AT -----	DEF AT 6
15899 /15870	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
15900 /15871	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
17910 /17880	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 6
17940 /17910	DEF AT -----	DEF AT 5
18095 /18065	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 190	<b>Date of Summary:</b> 22-OCT-2004	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G08434	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18095
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18065
<b>API Well Number:</b> 177094142300	<b>Drilling Operator:</b> MILLENNIUM OFFSHORE GROUP INC	<b>Rkb Elevation:</b> 131
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13500 - 18095	<b>Water Depth:</b> 71
<b>Public Info Code:</b> Y 18-MAR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13471	DEF AT first sample examined	DEF AT
13501 /13472	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14940 /14911	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15840 /15811	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
17790 /17760	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18095 /18065	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 193  
 Lease Number: 00572  
 Well Name: B001  
 API Well Number: 177094093100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-JAN-2003

Date of Summary: 20-FEB-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: BP AMERICA PRODUCTION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 16179  
 Borehole TVD: 14812  
 Rkb Elevation: 100  
 Water Depth: 85  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9861	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12066 /11641	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12600 /12064	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
14000 /13106	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
14850 /13746	DEF AT local marker benthic foram increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 193	<b>Date of Summary:</b> 22-APR-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00572	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13739
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13200
<b>API Well Number:</b> 177094094300	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 24-FEB-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9820	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11750 /11432	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12600 /12174	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 193	<b>Date of Summary:</b> 24-JAN-2001	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> 00572	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17173
<b>Well Name:</b> C001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17165
<b>API Well Number:</b> 177094129900	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4500 - 17173	<b>Water Depth:</b> 87
<b>Public Info Code:</b> Y 29-JAN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
4500 / 4500	DEF AT first sample examined	POS	AT	2
4501 / 4501	DEF AT cement	POS	AT	2
5110 / 5110	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	2
5380 / 5380	DEF AT - - - - -	DEF	AT	3
5440 / 5440	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
7460 / 7460	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
9560 / 9560	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	3
10520 /10520	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
10910 /10910	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	3
11810 /11809	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	3
14780 /14777	DEF AT - - - - -	DEF	AT	4
17173 /17165	DEF AT last sample examined	DEF	AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EI 193	<b>Date of Summary:</b> 06-FEB-2001	<b>First Sample Examined:</b> 10010
<b>Lease Number:</b> 00572	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17173
<b>Well Name:</b> C001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17165
<b>API Well Number:</b> 177094129900	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10010 - 17173	<b>Water Depth:</b> 87
<b>Public Info Code:</b> Y 29-JAN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 /10010	DEF AT first sample examined	DEF AT
10340 /10340	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10940 /10940	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14780 /14777	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16820 /16813	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
17173 /17165	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 193	<b>Date of Summary:</b> 31-MAR-2005	<b>First Sample Examined:</b> 16000
<b>Lease Number:</b> 00572	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17115
<b>Well Name:</b> C001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17106
<b>API Well Number:</b> 177094129901	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16000 - 17115	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 17-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15992	DEF AT first sample examined	DEF AT 3
16001 /15993	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
16240 /16232	POS IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
16599 /16591	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
16600 /16592	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
17050 /17042	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
17115 /17107	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 193	<b>Date of Summary:</b> 31-MAR-2005	<b>First Sample Examined:</b> 16005
<b>Lease Number:</b> 00572	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17080
<b>Well Name:</b> C001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17027
<b>API Well Number:</b> 177094129902	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16005 - 17080	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 17-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16005 /15997	DEF AT first sample examined	DEF AT 3
16006 /15998	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
16330 /16319	POS IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
16750 /16721	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
17080 /17027	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 193  
Lease Number: 00572  
Well Name: C002  
API Well Number: 177094140800  
Paleo Report Num: 1 of 2  
Public Info Code: Y 17-MAY-2012

Date of Summary: 10-NOV-2004  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: MCMORAN OIL & GAS LLC  
Sample Range: 17210 - 20731  
Ecozone Eq MMS: Y

First Sample Examined: 17210  
Borehole MD: 20731  
Borehole TVD: 20353  
Rkb Elevation: 106  
Water Depth: 90  
Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17210 /17163	DEF AT first sample examined	DEF AT 4
17211 /17164	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
18140 /18006	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
18440 /18278	DEF AT -----	DEF AT 3
18950 /18740	DEF AT -----	DEF AT 4
20731 /20354	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 193	Date of Summary: 10-NOV-2004	First Sample Examined: 17210
Lease Number: 00572	Source of Paleo: OPERATOR	Borehole MD: 20731
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20353
API Well Number: 177094140800	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 17210 - 20731	Water Depth: 90
Public Info Code: Y 17-MAY-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17210 /17163	DEF AT first sample examined	DEF AT
17300 /17245	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20731 /20354	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 197	Date of Summary: 20-FEB-1997	First Sample Examined: 0
Lease Number: G16358	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14902
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14900
API Well Number: 177094112700	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 96
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6150 / 6150	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8990 / 8990	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10880 /10879	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12960 /12959	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 202	Date of Summary: 01-DEC-1998	First Sample Examined: 0
Lease Number: G05499	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12996
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 12198
API Well Number: 177094122100	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 13-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11728 /10967	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 202	Date of Summary: 14-DEC-2000	First Sample Examined: 0
Lease Number: G05499	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13945
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13107
API Well Number: 177094123300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 109
Public Info Code: Y 20-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12037 /11810	DEF AT Cyclammina cancellata (local marker)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 202	Date of Summary: 06-MAY-1999	First Sample Examined: 0
Lease Number: G05499	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13511
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12150
API Well Number: 177094124101	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 107
Public Info Code: Y 03-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13244 /11883	DEF AT Cyclammina cancellata (local marker)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 202	Date of Summary: 23-MAR-2000	First Sample Examined: 0
Lease Number: G05499	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13913
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 12400
API Well Number: 177094123100	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 29-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12393 /11199	DEF AT Cyclammina cancellata (local marker)	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 204	Date of Summary: 07-MAR-1995	First Sample Examined: 0
Lease Number: 00804	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6836
Well Name: G001	Paleo Done By: OPERATOR	Borehole TVD: 6597
API Well Number: 177094016801	Drilling Operator: GULFSTREAM ENERGY SERVICES INC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 109
Public Info Code: Y 11-NOV-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4310 / 4214	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4570 / 4442	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5200 / 5012	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
5640 / 5425	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6668 / 6431	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 205	Date of Summary: 03-JUN-2001	First Sample Examined: 0
Lease Number: 00806	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16300
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 13134
API Well Number: 177094027302	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 22-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15050 /12435	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15500 /12707	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15740 /12847	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 206	Date of Summary: 22-SEP-1993	First Sample Examined: 6007
Lease Number: 00805	Source of Paleo: OPERATOR	Borehole MD: 12915
Well Name: A012	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12778
API Well Number: 177094097000	Drilling Operator: GULFSTREAM ENERGY SERVICES INC	Rkb Elevation: 104
Paleo Report Num: 1 of 2	Sample Range: 6007 - 11958	Water Depth: 100
Public Info Code: Y 16-OCT-2003	Ecozone Eq MMS:	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6007 / 5996	DEF AT first sample examined	DEF AT 3
6008 / 5997	DEF IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 3
6347 / 6320	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7560 / 7465	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 3
8769 / 8662	DEF AT Eggerella 3 (local marker)	DEF AT 3
8770 / 8663	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 3
9160 / 9051	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
9340 / 9229	DEF AT -----	DEF AT 4
9720 / 9607	DEF AT -----	DEF AT 3
10290 /10172	DEF AT -----	DEF AT 4
10350 /10232	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
10650 /10531	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11009 /10888	DEF AT Eggerella sp. (local marker)	DEF AT 4
11010 /10889	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
11310 /11188	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
11958 /11833	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 206	Date of Summary: 22-SEP-1993	First Sample Examined: 6830
Lease Number: 00805	Source of Paleo: OPERATOR	Borehole MD: 12915
Well Name: A012	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12778
API Well Number: 177094097000	Drilling Operator: GULFSTREAM ENERGY SERVICES INC	Rkb Elevation: 104
Paleo Report Num: 2 of 2	Sample Range: 6830 - 12915	Water Depth: 100
Public Info Code: Y 16-OCT-2003	Ecozone Eq MMS:	Paleo ID: 003

Remark: Sidetrack report

MD / TVD	Paleo Top Description	Ecozone
6830 / 6767	DEF AT first sample examined	DEF AT 3
7550 / 7455	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 3
9230 / 9120	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9500 / 9388	DEF AT -----	DEF AT 4
9770 / 9656	DEF AT -----	DEF AT 3
10350 /10232	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
10830 /10710	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11189 /11068	DEF AT Eggerella sp. (local marker)	DEF AT 4
11190 /11069	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11520 /11398	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
12209 /12083	DEF AT Eggerella sp. (local marker)	DEF AT 4
12210 /12084	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12360 /12232	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
12915 /12778	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 208	Date of Summary: 16-MAY-1991	First Sample Examined: 0
Lease Number: 00577	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11286
Well Name: J005	Paleo Done By: OPERATOR	Borehole TVD: 9488
API Well Number: 177094087500	Drilling Operator: CONOCO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 30-MAR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8150 / 6827	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
10200 / 8583	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 213	Date of Summary: 15-JUN-2004	First Sample Examined: 5310
Lease Number: G21639	Source of Paleo: OPERATOR	Borehole MD: 19820
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19819
API Well Number: 177094140700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 2	Sample Range: 5310 - 19770	Water Depth: 90
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5310 / 5310	DEF AT first sample examined	POS AT 3
5311 / 5311	DEF AT cement	POS AT 3
5380 / 5380	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
6490 / 6490	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9370 / 9370	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
11200 /11200	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11890 /11890	DEF AT -----	DEF AT 4
11980 /11980	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
12010 /12010	DEF AT -----	DEF AT 3
13630 /13630	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
13660 /13660	DEF AT -----	DEF AT 4
15760 /15760	DEF AT -----	DEF AT 5
15820 /15820	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
16390 /16389	DEF AT -----	DEF AT 6
16630 /16629	DEF AT -----	DEF AT 5
17350 /17349	DEF AT -----	DEF AT 6
17830 /17829	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
19389 /19388	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
19390 /19389	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
19770 /19769	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 213	Date of Summary: 15-JUN-2004	First Sample Examined: 11980
Lease Number: G21639	Source of Paleo: OPERATOR	Borehole MD: 19820
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19819
API Well Number: 177094140700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 2 of 2	Sample Range: 11980 - 19770	Water Depth: 90
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11980	DEF AT first sample examined	DEF AT
11981 /11981	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
13660 /13660	DEF AT local marker floral increase	DEF AT
14680 /14680	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15460 /15460	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17110 /17109	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17440 /17439	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17830 /17829	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17860 /17859	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19360 /19359	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19770 /19769	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 213	<b>Date of Summary:</b> 03-SEP-2004	<b>First Sample Examined:</b> 19555
<b>Lease Number:</b> G21639	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21021
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21002
<b>API Well Number:</b> 177094140701	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19555 - 21010	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 01-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19555 /19537	DEF AT first sample examined	DEF AT
19556 /19538	DEF AT cement	DEF AT
20500 /20482	DEF AT - - - - -	DEF AT 6
20650 /20631	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 6
21010 /20991	DEF AT last sample examined	DEF AT 6



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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EI 213	<b>Date of Summary:</b> 03-SEP-2004	<b>First Sample Examined:</b> 19555
<b>Lease Number:</b> G21639	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21021
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21002
<b>API Well Number:</b> 177094140701	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19555 - 21010	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 01-JUL-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19555 /19537	DEF AT first sample examined	DEF AT
20530 /20512	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20770 /20751	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21010 /20991	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 214	<b>Date of Summary:</b> 09-JUL-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17986	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13690
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13103
<b>API Well Number:</b> 177094118900	<b>Drilling Operator:</b> NORCEN EXPLORER INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 103
<b>Public Info Code:</b> Y 23-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6870 / 6869	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8380 / 8379	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9660 / 9659	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 215	Date of Summary: 05-DEC-1996	First Sample Examined: 0
Lease Number: 00576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9222
Well Name: D002	Paleo Done By: OPERATOR	Borehole TVD: 8412
API Well Number: 177094109501	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 30-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7360 / 6880	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8707 / 7988	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 217	Date of Summary: 26-JAN-1993	First Sample Examined: 9000
Lease Number: G00978	Source of Paleo: OPERATOR	Borehole MD: 15128
Well Name: C001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15089
API Well Number: 177094093400	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 9000 - 15100	Water Depth: 117
Public Info Code: Y 15-FEB-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9000 / 8999	DEF AT first sample examined	DEF IN 2
9180 / 9179	DEF AT local marker benthic foram increase	POS AT 3
9300 / 9298	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
9330 / 9328	DEF AT sample gap top	POS AT 3
9780 / 9778	DEF AT sample gap bottom	POS AT 3
10520 /10517	DEF AT local marker benthic foram increase	DEF AT 3
11230 /11227	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
11590 /11586	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11920 /11916	DEF AT Eggerella sp. (local marker)	DEF AT 3
13270 /13264	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 3
13540 /13534	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
14230 /14219	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 3
14560 /14539	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 3
14680 /14655	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
14740 /14713	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 3
14860 /14830	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
15040 /15004	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
15100 /15062	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 217	Date of Summary: 26-JAN-1993	First Sample Examined: 9000
Lease Number: G00978	Source of Paleo: OPERATOR	Borehole MD: 15128
Well Name: C001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15089
API Well Number: 177094093400	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 9000 - 15100	Water Depth: 117
Public Info Code: Y 15-FEB-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT
9001 / 9000	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9330 / 9328	DEF AT sample gap top	DEF AT
9780 / 9778	DEF AT sample gap bottom	DEF AT
9870 / 9868	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11560 /11556	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13750 /13744	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15100 /15062	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 217	Date of Summary: 17-OCT-1994	First Sample Examined: 5200
Lease Number: G00978	Source of Paleo: OPERATOR	Borehole MD: 15590
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15172
API Well Number: 177094101800	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 5200 - 15590	Water Depth: 92
Public Info Code: Y 08-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5200 / 5193	DEF AT first sample examined	DEF AT 2
5860 / 5853	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6820 / 6813	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
11710 /11448	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
11920 /11638	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	POS AT 4
12190 /11882	DEF AT Cyclamina cancellata (local marker)	POS AT 4
12610 /12266	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13030 /12664	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
13660 /13271	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
13720 /13329	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
14290 /13881	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
14319 /13909	DEF AT Eggerella sp. (local marker)	DEF AT 4
14620 /14206	DEF AT Cyclamina sp. (local marker)	DEF AT 4
15310 /14893	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
15590 /15172	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 223	Date of Summary: 18-MAY-2012	First Sample Examined: 12000
Lease Number: G21640	Source of Paleo: OPERATOR	Borehole MD: 34184
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 34162
API Well Number: 177094150501	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 12000 - 34184	Water Depth: 138
Public Info Code: Y 22-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11999	DEF AT first sample examined	DEF IN 2
12001 /12000	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 2
12270 /12269	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
14550 /14549	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 3
14700 /14699	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 3
15150 /15149	DEF AT - - - - -	DEF AT 4
15290 /15289	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 4
16380 /16379	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
19800 /19799	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
21000 /20999	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
22384 /22382	DEF AT anhydrite	POS AT 4
22385 /22383	DEF AT salt	POS AT 4
22470 /22468	DEF AT out-of-place section	POS AT 4
22560 /22557	DEF AT - - - - -	DEF AT 5
22590 /22587	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
22769 /22766	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
22770 /22767	POS AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT 5
24390 /24386	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
25080 /25076	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 5
25440 /25436	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
25650 /25646	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
27930 /27924	POS AT Lower Miocene (Aquitainian) Siphonina davisii	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 223	Date of Summary: 18-MAY-2012	First Sample Examined: 12000
Lease Number: G21640	Source of Paleo: OPERATOR	Borehole MD: 34184
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 34162
API Well Number: 177094150501	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 12000 - 34184	Water Depth: 138
Public Info Code: Y 22-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28889 /28878	POS AT Lower Miocene (Aquitania) Sphenolithus capricornutus	DEF AT 5
28890 /28879	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 5
29700 /29685	POS AT Upper Oligocene (Chattian) Discorbis gravelli	DEF AT 5
30420 /30404	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
30510 /30494	POS AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
30960 /30944	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 5
31050 /31034	DEF AT local marker planktic foram increase	DEF AT 5
31170 /31154	POS AT Upper Oligocene (Chattian) Marginulina texana	DEF AT 5
31260 /31243	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
31380 /31363	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
31800 /31782	POS AT Lower Oligocene (Rupelian) Nodosaria blanpiedi	DEF AT 5
32010 /31991	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
32280 /32261	DEF AT local marker floral increase	DEF AT 5
32310 /32291	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
32340 /32321	POS AT local marker planktic foram increase	DEF AT 5
32760 /32740	POS AT local marker floral increase	DEF AT 5
32910 /32890	POS AT local marker floral increase	DEF AT 5
33029 /33009	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
33030 /33010	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
33118 /33098	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 5
33119 /33099	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
33120 /33100	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
33150 /33130	DEF IN Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
33240 /33220	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 223	Date of Summary: 18-MAY-2012	First Sample Examined: 12000
Lease Number: G21640	Source of Paleo: OPERATOR	Borehole MD: 34184
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 34162
API Well Number: 177094150501	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 12000 - 34184	Water Depth: 138
Public Info Code: Y 22-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
33390 /33370	POS AT local marker planktic foram increase	DEF AT 5
33654 /33634	POS AT Middle Eocene (Bartonian) Nodosaria mexicana	DEF AT 5
33748 /33728	POS AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
33749 /33729	POS AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
33750 /33730	POS AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5
33763 /33743	POS AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 5
33764 /33744	POS AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 5
33839 /33819	POS IN Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 5
33840 /33820	POS AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
33854 /33834	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
34110 /34090	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
34184 /34164	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 224	Date of Summary: 18-MAY-2001	First Sample Examined: 0
Lease Number: G05504	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16545
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 15815
API Well Number: 177094089403	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 142
Public Info Code: Y 06-APR-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14520 /13811	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
14874 /14150	DEF IN local marker benthic foram increase	DEF AT
15077 /14350	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
16440 /15709	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 224	<b>Date of Summary:</b> 03-JUL-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05504	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14320
<b>Well Name:</b> A008	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13457
<b>API Well Number:</b> 177094111600	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 116
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 136
<b>Public Info Code:</b> Y 22-MAY-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9465 / 9344	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11115 /10758	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13560 /12813	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 224	Date of Summary: 09-APR-1999	First Sample Examined: 0
Lease Number: G05504	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15392
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 14528
API Well Number: 177094121900	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 134
Public Info Code: Y 21-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10390 / 9933	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12210 /11715	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
13998 /13446	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14430 /13833	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 224	<b>Date of Summary:</b> 29-SEP-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05504	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14752
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14251
<b>API Well Number:</b> 177094112500	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 139
<b>Public Info Code:</b> Y 13-MAR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12735 /12537	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
13370 /13085	DEF AT local marker benthic foram increase	DEF AT
14050 /13664	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 224	Date of Summary: 25-OCT-2000	First Sample Examined: 0
Lease Number: G15250	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17479
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16859
API Well Number: 177094128000	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 27-FEB-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6110 / 6109	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7801 / 7750	DEF AT Upper Pliocene (Piacenzian) Textularia 1	DEF AT
10047 / 9650	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11269 /10730	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13993 /13380	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
14804 /14190	DEF AT local marker benthic foram increase	DEF AT
15209 /14595	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 227  
 Lease Number: 00809  
 Well Name: A001  
 API Well Number: 177094123800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 23-JAN-2009

Date of Summary: 28-JAN-1998  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: PRIME NATURAL RESOURCES INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9020  
 Borehole TVD: 9012  
 Rkb Elevation: 101  
 Water Depth: 125  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5970 / 5970	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
6315 / 6315	DEF AT Upper Pliocene (Piacenzian) Textularia 1	DEF AT
7610 / 7609	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8800 / 8794	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 227	Date of Summary: 05-JAN-2001	First Sample Examined: 0
Lease Number: 00809	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9890
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 9606
API Well Number: 177094130000	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 121
Public Info Code: Y 31-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7910 / 7808	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 229	Date of Summary: 26-FEB-1996	First Sample Examined: 7366
Lease Number: G05505	Source of Paleo: OPERATOR	Borehole MD: 18316
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 18307
API Well Number: 177094107300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 7366 - 18316	Water Depth: 120
Public Info Code: Y 05-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7366 / 7365	DEF AT first sample examined	DEF AT 2
7380 / 7379	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
7950 / 7949	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8010 / 8009	DEF AT -----	DEF IN 2
8250 / 8249	DEF AT -----	DEF AT 4
8340 / 8339	DEF AT -----	DEF AT 3
8490 / 8489	DEF AT -----	DEF IN 2
8580 / 8579	DEF AT -----	DEF AT 2
8690 / 8689	DEF AT -----	DEF IN 1
9750 / 9749	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 1
12260 /12259	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12390 /12389	DEF AT -----	DEF IN 1
14430 /14427	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
14610 /14606	DEF AT -----	DEF IN 2
15930 /15924	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 2
17910 /17901	DEF AT -----	DEF AT 4
18000 /17991	DEF AT -----	DEF AT 3
18316 /18306	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 229	<b>Date of Summary:</b> 10-MAR-1998	<b>First Sample Examined:</b> 14400
<b>Lease Number:</b> G05505	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17460
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17189
<b>API Well Number:</b> 177094107301	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14400 - 17460	<b>Water Depth:</b> 151
<b>Public Info Code:</b> Y 18-OCT-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14400 /14397	DEF AT first sample examined	DEF AT 3
14850 /14834	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
15540 /15474	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 3
15570 /15501	DEF AT -----	DEF AT 2
16380 /16216	DEF AT -----	DEF AT 3
16680 /16482	DEF AT -----	DEF AT 2
17460 /17189	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 230	Date of Summary: 02-FEB-1994	First Sample Examined: 9000
Lease Number: G00979	Source of Paleo: OPERATOR	Borehole MD: 13850
Well Name: CD008	Paleo Done By: OPERATOR	Borehole TVD: 13123
API Well Number: 177094096400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 9000 - 13850	Water Depth: 120
Public Info Code: Y 30-JUL-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8568	DEF AT first sample examined	DEF AT 2
9001 / 8569	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
10020 / 9532	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
11110 /10553	DEF AT -----	DEF IN 1
11250 /10683	DEF AT -----	DEF IN 2
11790 /11189	DEF AT -----	DEF IN 1
11880 /11273	DEF AT -----	DEF AT 2
11910 /11301	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
12630 /11975	DEF AT -----	DEF AT 3
12660 /12003	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
12690 /12031	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
12990 /12313	DEF AT -----	DEF AT 4
13500 /12793	DEF AT -----	DEF AT 2
13850 /13123	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 231	Date of Summary: 19-NOV-1994	First Sample Examined: 0
Lease Number: G00979	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15650
Well Name: CB009	Paleo Done By: OPERATOR	Borehole TVD: 12917
API Well Number: 177094101400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 98
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 12-NOV-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8200 / 6888	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
13200 /10746	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 231	Date of Summary: 19-JAN-1995	First Sample Examined: 13700
Lease Number: G00979	Source of Paleo: OPERATOR	Borehole MD: 15650
Well Name: CB009	Paleo Done By: OPERATOR	Borehole TVD: 12917
API Well Number: 177094101400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 98
Paleo Report Num: 2 of 2	Sample Range: 13700 - 15650	Water Depth: 120
Public Info Code: Y 12-NOV-2004	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13700 /11129	DEF AT first sample examined	DEF AT
15170 /12448	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15650 /12918	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 231	Date of Summary: 05-AUG-1994	First Sample Examined: 8990
Lease Number: G00980	Source of Paleo: OPERATOR	Borehole MD: 12414
Well Name: CA008	Paleo Done By: OPERATOR	Borehole TVD: 10885
API Well Number: 177094097900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 3740 - 12200	Water Depth: 111
Public Info Code: Y 31-DEC-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8990 / 8018	DEF AT first sample examined	DEF AT 1
9020 / 8043	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
10070 / 8916	DEF AT - - - - -	DEF AT 2
10790 / 9518	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
12020 /10550	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
12200 /10702	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 237  
 Lease Number: G00981  
 Well Name: J004  
 API Well Number: 177094068001  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 15-SEP-2003

Date of Summary: 11-AUG-1994  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 2500 - 5400  
 Ecozone Eq MMS: Y

First Sample Examined: 2500  
 Borehole MD: 5400  
 Borehole TVD: 4506  
 Rkb Elevation: 105  
 Water Depth: 130  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2500 / 2289	DEF AT first sample examined	DEF AT 1
3039 / 2670	DEF AT - - - - -	DEF AT 2
5200 / 4358	DEF AT salt	DEF AT 2
5400 / 4524	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 237	Date of Summary: 10-JUL-1994	First Sample Examined: 4150
Lease Number: G00981	Source of Paleo: OPERATOR	Borehole MD: 7393
Well Name: J006	Paleo Done By: OPERATOR	Borehole TVD: 7044
API Well Number: 177094096900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 4150 - 7394	Water Depth: 130
Public Info Code: Y 04-SEP-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4150 / 4044	DEF AT first sample examined	DEF AT 1
4900 / 4733	DEF AT local marker benthic foram increase	DEF AT 1
6970 / 6648	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
7030 / 6704	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
7240 / 6901	DEF AT salt	DEF AT
7394 /	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 237	Date of Summary: 03-AUG-1994	First Sample Examined: 3700
Lease Number: G00981	Source of Paleo: OPERATOR	Borehole MD: 10398
Well Name: K001	Paleo Done By: OPERATOR	Borehole TVD: 9314
API Well Number: 177094097500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 3700 - 10397	Water Depth: 139
Public Info Code: Y 31-OCT-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3700 / 3699	DEF AT first sample examined	DEF AT 2
4360 / 4357	DEF AT - - - - -	DEF AT 1
4630 / 4622	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
6100 / 5928	DEF IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 2
6160 / 5976	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9550 / 8647	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
10397 / 9312	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 237	Date of Summary: 05-MAR-1997	First Sample Examined: 8030
Lease Number: G00981	Source of Paleo: OPERATOR	Borehole MD: 9250
Well Name: K004	Paleo Done By: OPERATOR	Borehole TVD: 7464
API Well Number: 177094110500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 8030 - 9240	Water Depth: 139
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8030 / 6246	DEF AT first sample examined	DEF AT
8031 / 6247	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9240 / 7454	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 237	Date of Summary: 16-JUN-1999	First Sample Examined: 0
Lease Number: G00981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9140
Well Name: K007	Paleo Done By: OPERATOR	Borehole TVD: 7943
API Well Number: 177094124601	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 139
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6900 / 6037	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8700 / 7555	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 237	Date of Summary: 10-AUG-1994	First Sample Examined: 5010
Lease Number: G10741	Source of Paleo: OPERATOR	Borehole MD: 11850
Well Name: K002	Paleo Done By: OPERATOR	Borehole TVD: 9327
API Well Number: 177094099400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 3630 - 11850	Water Depth: 139
Public Info Code: Y 26-MAR-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5010 / 4567	DEF AT first sample examined	DEF AT 2
6150 / 5470	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
6210 / 5518	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
6689 / 5901	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 3
6690 / 5902	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
6930 / 6093	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
7170 / 6283	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 3
7770 / 6762	DEF AT -----	DEF AT 2
9240 / 7904	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
10530 / 8669	DEF AT -----	DEF AT 3
10950 / 8870	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
11850 / 9327	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 238	Date of Summary: 02-JAN-1995	First Sample Examined: 5180
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 11078
Well Name: E007	Paleo Done By: OPERATOR	Borehole TVD: 9977
API Well Number: 177094103800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 5180 - 11060	Water Depth: 125
Public Info Code: Y 02-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5180 / 4765	DEF AT first sample examined	DEF AT 1
5370 / 4930	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 1
5840 / 5333	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 1
6650 / 6043	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 1
7040 / 6385	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 1
7520 / 6806	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 1
7760 / 7017	DEF AT - - - - -	DEF AT 2
8420 / 7593	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9080 / 8169	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
9890 / 8891	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
10460 / 9407	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
11060 / 9960	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 238	Date of Summary: 12-AUG-1995	First Sample Examined: 7000
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 12420
Well Name: E008	Paleo Done By: OPERATOR	Borehole TVD: 10790
API Well Number: 177094104500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 7000 - 12400	Water Depth: 127
Public Info Code: Y 07-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6297	DEF AT first sample examined	DEF AT 1
7120 / 6397	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 1
7210 / 6472	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 1
7390 / 6621	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 1
7750 / 6919	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 1
7810 / 6968	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 1
8110 / 7216	DEF AT - - - - -	DEF AT 2
8380 / 7440	DEF IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 2
8470 / 7514	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
8889 / 7856	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
8890 / 7856	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9550 / 8403	DEF AT - - - - -	DEF AT 2
10150 / 8902	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
11680 / 10169	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
12400 / 10773	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 11040
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 12643
Well Name: H002	Paleo Done By: OPERATOR	Borehole TVD: 11695
API Well Number: 177094036901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 1 of 2	Sample Range: 11040 - 12640	Water Depth: 140
Public Info Code: Y 27-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11040 /10210	DEF AT first sample examined	DEF AT 2
11820 /10918	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
12640 /11692	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 9000
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 12643
Well Name: H002	Paleo Done By: OPERATOR	Borehole TVD: 11695
API Well Number: 177094036901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 2 of 2	Sample Range: 9000 - 12300	Water Depth: 140
Public Info Code: Y 27-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Bypass 1 report, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8423	DEF AT first sample examined	DEF AT 2
9150 / 8551	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9210 / 8603	DEF AT -----	DEF AT 1
9990 / 9290	DEF AT -----	DEF AT 2
10290 / 9554	DEF AT -----	DEF AT 1
10350 / 9606	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
12300 / 11370	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 238	Date of Summary: 18-AUG-1997	First Sample Examined: 10890
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 13016
Well Name: H003	Paleo Done By: OPERATOR	Borehole TVD: 12126
API Well Number: 177094038002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 1 of 2	Sample Range: 10890 - 12960	Water Depth: 140
Public Info Code: Y 09-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10890 /10315	DEF AT first sample examined	DEF AT
10950 /10365	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12960 /12076	DEF AT last sample examined	DEF AT

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End Date: 01-DEC-2016

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 10860
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 13016
Well Name: H003	Paleo Done By: OPERATOR	Borehole TVD: 12126
API Well Number: 177094038002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 2 of 2	Sample Range: 10860 - 12960	Water Depth: 140
Public Info Code: Y 09-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10860 /10289	DEF AT first sample examined	DEF AT 1
11100 /10493	DEF AT -----	DEF AT 2
11610 /10927	DEF AT -----	DEF AT 1
11880 /11151	DEF AT -----	DEF AT 2
12960 /12076	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 238	<b>Date of Summary:</b> 18-AUG-1997	<b>First Sample Examined:</b> 10470
<b>Lease Number:</b> G00982	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13620
<b>Well Name:</b> H015	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12382
<b>API Well Number:</b> 177094050201	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 123
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10470 - 13620	<b>Water Depth:</b> 147
<b>Public Info Code:</b> Y 19-JUL-2007	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10470 / 9529	DEF AT first sample examined	DEF AT
10529 / 9581	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10530 / 9582	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13620 / 12382	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 10470
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 13620
Well Name: H015	Paleo Done By: OPERATOR	Borehole TVD: 12382
API Well Number: 177094050201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 123
Paleo Report Num: 2 of 2	Sample Range: 10470 - 13620	Water Depth: 147
Public Info Code: Y 19-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10470 / 9529	DEF AT first sample examined	POS AT 1
11100 /10096	DEF AT -----	DEF AT 1
11370 /10347	DEF AT -----	DEF AT 2
12060 /10982	DEF AT -----	DEF AT 1
12690 /11554	DEF AT -----	DEF AT 2
13200 /12008	DEF AT -----	DEF AT 3
13380 /12168	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
13620 /12382	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 238	<b>Date of Summary:</b> 10-MAR-1998	<b>First Sample Examined:</b> 10300
<b>Lease Number:</b> G00983	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13180
<b>Well Name:</b> H009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12225
<b>API Well Number:</b> 177094044801	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10300 - 13165	<b>Water Depth:</b> 147
<b>Public Info Code:</b> Y 19-OCT-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10300 / 9730	DEF AT first sample examined	DEF AT 1
10301 / 9730	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
11140 /10461	DEF AT -----	DEF AT 2
11470 /10750	DEF AT -----	DEF AT 1
11920 /11149	DEF AT -----	DEF AT 2
12340 /11506	DEF AT -----	DEF AT 1
12610 /11736	DEF AT -----	DEF AT 2
12820 /11915	DEF AT -----	DEF AT 1
13165 /12213	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 240	Date of Summary: 03-AUG-1999	First Sample Examined: 0
Lease Number: G04453	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18240
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 16879
API Well Number: 177094104000	Drilling Operator: VASTAR OFFSHORE INC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 139
Public Info Code: Y 10-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14910 /13901	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
18000 /16642	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 242	Date of Summary: 31-MAY-1991	First Sample Examined: 5050
Lease Number: G02898	Source of Paleo: OPERATOR	Borehole MD: 13155
Well Name: 003	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 11508
API Well Number: 177094089300	Drilling Operator: CONOCO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5050 - 13155	Water Depth: 150
Public Info Code: Y 11-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5050 / 5050	DEF AT first sample examined	POS AT 1
5051 / 5051	DEF AT cement	POS AT 1
5052 / 5052	DEF AT poor sample interval top	POS AT 1
5110 / 5110	DEF AT - - - - -	DEF AT 1
6249 / 6249	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 1
6250 / 6250	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
9640 / 9319	DEF IN Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 1
10660 / 9945	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 1
10840 /10056	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
11800 /10655	DEF AT - - - - -	DEF AT 2
11830 /10673	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
12190 /10898	DEF AT - - - - -	DEF AT 1
13154 /11498	DEF AT poor sample interval bottom	DEF AT 1
13155 /11499	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 243	Date of Summary: 06-AUG-1998	First Sample Examined: 0
Lease Number: G02898	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11978
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11100
API Well Number: 177094038301	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 148
Public Info Code: Y 13-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11200 /10323	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 243	Date of Summary: 04-NOV-1996	First Sample Examined: 0
Lease Number: G02899	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13514
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 11900
API Well Number: 177094109600	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11150 /10287	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
12230 /10918	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 243	<b>Date of Summary:</b> 24-SEP-1990	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G02899	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13164
<b>Well Name:</b> A004	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 11795
<b>API Well Number:</b> 177094086400	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5000 - 13164	<b>Water Depth:</b> 145
<b>Public Info Code:</b> Y 08-OCT-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 4648	DEF AT first sample examined	DEF AT 1
6680 / 6117	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 1
10279 / 9289	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 2
10280 / 9290	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 2
10610 / 9585	DEF AT faunal change (no faunal increase)	DEF AT 1
10970 / 9909	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
11960 /10783	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
13164 /11795	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 243	Date of Summary: 31-MAR-1999	First Sample Examined: 0
Lease Number: G02899	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14640
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 13404
API Well Number: 177094122700	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 9769	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
10310 /10304	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
13700 /12836	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14630 /13398	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 252	Date of Summary: 02-MAY-1997	First Sample Examined: 7500
Lease Number: G00983	Source of Paleo: OPERATOR	Borehole MD: 14400
Well Name: G004	Paleo Done By: OPERATOR	Borehole TVD: 12241
API Well Number: 177094031901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7500 - 14400	Water Depth: 157
Public Info Code: Y 27-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7431	DEF AT first sample examined	DEF AT 1
8100 / 7917	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8130 / 7940	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
8500 / 8208	DEF AT -----	DEF AT 1
11880 /10627	DEF AT -----	DEF AT 3
13710 /11851	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
14400 /12241	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 252	Date of Summary: 05-AUG-1997	First Sample Examined: 10630
Lease Number: G00983	Source of Paleo: OPERATOR	Borehole MD: 13478
Well Name: I006	Paleo Done By: OPERATOR	Borehole TVD: 12358
API Well Number: 177094058001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 10630 - 13478	Water Depth: 151
Public Info Code: Y 09-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10630 /10528	DEF AT first sample examined	DEF AT 3
11500 /11360	DEF AT -----	DEF AT 1
11710 /11539	DEF AT -----	DEF AT 2
12070 /11771	DEF AT -----	DEF AT 3
12220 /11847	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12850 /12105	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
13210 /12254	DEF AT -----	DEF AT 2
13330 /12301	DEF AT -----	DEF AT 1
13478 /12359	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 252	Date of Summary: 18-AUG-1997	First Sample Examined: 7000
Lease Number: G00983	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: I009	Paleo Done By: OPERATOR	Borehole TVD: 12644
API Well Number: 177094111900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 7000 - 13550	Water Depth: 155
Public Info Code: Y 15-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6959	DEF AT first sample examined	DEF IN 1
7270 / 7201	DEF AT -----	DEF AT 2
8260 / 8073	DEF AT -----	DEF AT 3
8350 / 8153	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8530 / 8312	DEF AT -----	DEF IN 3
8980 / 8708	DEF AT -----	DEF IN 2
10240 / 9795	DEF AT -----	DEF AT 2
10420 / 9948	DEF AT cement	POS AT 2
10450 / 9974	DEF AT -----	DEF AT 3
10720 /10204	DEF AT -----	DEF AT 2
11890 /11217	DEF AT -----	DEF AT 3
11920 /11243	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12430 /11685	DEF AT -----	DEF AT 2
12730 /11941	DEF AT -----	DEF IN 2
12760 /11967	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 2
13090 /12249	DEF AT -----	DEF AT 3
13550 /12648	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 252	Date of Summary: 01-DEC-2004	First Sample Examined: 5980
Lease Number: G10741	Source of Paleo: OPERATOR	Borehole MD: 17039
Well Name: L007	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14416
API Well Number: 177094142400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 2	Sample Range: 5980 - 17040	Water Depth: 148
Public Info Code: Y 10-FEB-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5980 / 5120	DEF AT first sample examined	DEF IN 1
6099 / 5213	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 2
6100 / 5214	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 2
6580 / 5589	POS AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 2
6730 / 5706	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 2
6760 / 5730	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 2
6820 / 5777	DEF AT local marker benthic foram increase	DEF IN 2
7000 / 5918	DEF AT local marker foram decrease	DEF IN 2
7300 / 6153	DEF AT pyrite	DEF IN 2
7510 / 6318	DEF AT Arenaceous fauna (local marker)	DEF AT 2
7630 / 6411	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 2
7720 / 6482	DEF AT local marker benthic foram increase	DEF AT 2
7840 / 6575	DEF AT local marker foram decrease	DEF AT 2
8230 / 6880	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 2
8560 / 7137	DEF AT pyrite	DEF AT 2
10420 / 8587	DEF AT local marker benthic foram increase	DEF AT 2
10510 / 8657	DEF AT local marker foram decrease	DEF AT 2
11230 / 9222	DEF AT local marker foram increase	DEF IN 2
11440 / 9387	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 2
12460 /10191	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 2
12760 /10445	DEF AT local marker benthic foram increase	DEF AT 2
12880 /10551	DEF AT local marker foram decrease	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 252	<b>Date of Summary:</b> 01-DEC-2004	<b>First Sample Examined:</b> 5980
<b>Lease Number:</b> G10741	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17039
<b>Well Name:</b> L007	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14416
<b>API Well Number:</b> 177094142400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 124
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5980 - 17040	<b>Water Depth:</b> 148
<b>Public Info Code:</b> Y 10-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13360 /10978	DEF AT Upper Pliocene (Piacenzian) Textularia 1	DEF AT 2
13450 /11061	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 2
13809 /11404	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
13810 /11405	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
13900 /11492	DEF AT local marker foram decrease	DEF AT 2
14500 /12054	DEF AT Arenaceous fauna (local marker)	DEF AT 2
14530 /12081	DEF AT local marker foram decrease	DEF AT 2
14590 /12137	DEF AT Arenaceous fauna (local marker)	DEF AT 2
14650 /12192	DEF AT local marker foram decrease	DEF IN 2
14710 /12247	POS AT Arenaceous fauna (local marker)	DEF IN 2
14800 /12330	DEF AT local marker foram decrease	DEF IN 2
14890 /12413	DEF AT Eggerella 3 (local marker)	DEF AT 3
14920 /12440	DEF AT local marker foram decrease	DEF AT 3
14979 /12495	DEF AT Bathysiphon fauna	DEF IN 3
14980 /12495	DEF AT Eggerella 3 (local marker)	DEF IN 3
15010 /12523	DEF AT local marker foram decrease	DEF IN 3
15100 /12606	DEF AT local marker benthic foram increase	DEF IN 4
15130 /12633	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 4
15190 /12688	DEF AT local marker foram decrease	DEF IN 4
15330 /12818	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
15660 /13127	DEF AT drilling material	DEF IN 4
16020 /13463	DEF AT pyrite	DEF IN 4
16080 /13520	DEF AT local marker foram decrease	DEF AT 4
16260 /13689	DEF AT local marker benthic foram increase	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 252	<b>Date of Summary:</b> 01-DEC-2004	<b>First Sample Examined:</b> 5980
<b>Lease Number:</b> G10741	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17039
<b>Well Name:</b> L007	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14416
<b>API Well Number:</b> 177094142400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 124
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5980 - 17040	<b>Water Depth:</b> 148
<b>Public Info Code:</b> Y 10-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16348 /13771	DEF AT pyrite	DEF AT 5
16349 /13772	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
16350 /13773	DEF AT local marker benthic foram increase	DEF AT 5
16500 /13912	DEF AT local marker foram increase	DEF IN 4
16650 /14052	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 4
16800 /14192	DEF AT Arenaceous fauna (local marker)	DEF IN 4
17040 /	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 252	Date of Summary: 26-DEC-2004	First Sample Examined: 13900
Lease Number: G10741	Source of Paleo: OPERATOR	Borehole MD: 17039
Well Name: L007	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14416
API Well Number: 177094142400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 124
Paleo Report Num: 2 of 2	Sample Range: 13900 - 17040	Water Depth: 148
Public Info Code: Y 10-FEB-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13900 /11492	DEF AT first sample examined	DEF AT
13901 /11493	DEF IN Upper Pliocene Piacenzian Stage	DEF AT
15040 /12551	POS AT local marker floral increase	DEF AT
15160 /12661	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15220 /12716	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
15280 /12772	DEF AT floral flood	DEF AT
15330 /12818	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15450 /12930	DEF AT floral flood	DEF AT
15690 /13155	DEF AT local marker floral decrease	DEF AT
15990 /13435	DEF AT local marker floral increase	DEF AT
16350 /13773	DEF AT floral flood	DEF AT
16470 /13884	DEF AT local marker floral decrease	DEF AT
16650 /14052	DEF AT local marker floral increase	DEF AT
16830 /14220	DEF AT local marker floral decrease	DEF AT
17040 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 255	Date of Summary: 03-JUN-1992	First Sample Examined: 0
Lease Number: G10742	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11352
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10600
API Well Number: 177094088600	Drilling Operator: TRANSCO EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 135
Public Info Code: Y 27-MAR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5640 / 5640	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10350 / 9799	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 256	Date of Summary: 07-JUL-2005	First Sample Examined: 11000
Lease Number: G02102	Source of Paleo: OPERATOR	Borehole MD: 19502
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 19208
API Well Number: 177094142701	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 11000 - 19502	Water Depth: 137
Public Info Code: Y 13-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10923	DEF AT first sample examined	POS IN 3
11660 /11536	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 5
11720 /11592	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12110 /11953	DEF AT Arenaceous fauna (local marker)	DEF AT 5
12530 /12344	DEF AT local marker foram increase	DEF AT 5
12560 /12372	DEF AT Lower Pliocene (Zanclian) Discoaster challengeri	DEF AT 5
12710 /12512	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 4
12830 /12624	DEF AT - - - - -	DEF AT 5
12890 /12680	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
13220 /12989	DEF AT Arenaceous fauna (local marker)	DEF AT 5
13550 /13300	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 5
13730 /13472	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
14120 /13851	DEF AT unconformity	DEF IN 5
14600 /14324	DEF AT sample gap top	POS IN 5
14659 /14382	DEF AT sample gap bottom	DEF IN 5
14660 /14383	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
14899 /14620	DEF AT transported shelf fauna	DEF AT 5
14900 /14621	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 5
15200 /14920	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF IN 5
15590 /15310	DEF AT local marker foram increase	POS AT 6
15650 /15370	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
15860 /15580	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 256	Date of Summary: 07-JUL-2005	First Sample Examined: 11000
Lease Number: G02102	Source of Paleo: OPERATOR	Borehole MD: 19502
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 19208
API Well Number: 177094142701	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 11000 - 19502	Water Depth: 137
Public Info Code: Y 13-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15890 /15610	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
16991 /16711	DEF AT cement	POS AT 6
17090 /16810	DEF AT - - - - -	DEF AT 6
17299 /17019	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
17300 /17020	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
17390 /17110	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 6
17900 /17620	DEF AT unconformity	DEF AT 6
18020 /17740	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
18080 /17800	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 6
18140 /17860	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
18230 /17950	DEF AT local marker foram decrease	POS AT 6
18440 /18160	DEF AT anhydrite	POS AT 6
19070 /18786	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	POS AT 6
19502 /19214	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 267	Date of Summary: 04-OCT-2001	First Sample Examined: 0
Lease Number: 00812	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12533
Well Name: I008	Paleo Done By: OPERATOR	Borehole TVD: 10681
API Well Number: 177104152300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 176
Public Info Code: Y 11-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9740 / 8961	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11010 / 9748	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
11900 /10261	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 269	Date of Summary: 20-FEB-2001	First Sample Examined: 0
Lease Number: 00813	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12259
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12257
API Well Number: 177104152500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 190
Public Info Code: Y 26-FEB-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10230 /10229	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
12150 /12148	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 273	Date of Summary: 01-SEP-1993	First Sample Examined: 0
Lease Number: G00987	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9921
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 9566
API Well Number: 177102003501	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 184
Public Info Code: Y 15-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9206 / 8898	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 273	<b>Date of Summary:</b> 24-MAY-1996	<b>First Sample Examined:</b> 3617
<b>Lease Number:</b> G00987	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8635
<b>Well Name:</b> B004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8368
<b>API Well Number:</b> 177102003601	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 121
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3617 - 8650	<b>Water Depth:</b> 184
<b>Public Info Code:</b> Y 04-DEC-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3617 / 3550	DEF AT first sample examined	DEF AT
4867 / 4726	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6490 / 6256	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
7690 / 7427	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8650 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 276	Date of Summary: 25-APR-1992	First Sample Examined: 3670
Lease Number: G00989	Source of Paleo: OPERATOR	Borehole MD: 10940
Well Name: D004	Paleo Done By: OPERATOR	Borehole TVD: 10164
API Well Number: 177100009201	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 3670 - 10920	Water Depth: 175
Public Info Code: Y 11-FEB-2002	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3670 / 3538	DEF AT first sample examined	DEF AT
3880 / 3724	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5860 / 5498	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6490 / 6057	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7360 / 6819	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
7450 / 6899	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7870 / 7275	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
7871 / 7276	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
10710 / 9943	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10920 /10145	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 277	<b>Date of Summary:</b> 08-APR-2005	<b>First Sample Examined:</b> 9900
<b>Lease Number:</b> G10744	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14295
<b>Well Name:</b> K002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12789
<b>API Well Number:</b> 177104158800	<b>Drilling Operator:</b> EPL OIL & GAS INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9900 - 14280	<b>Water Depth:</b> 179
<b>Public Info Code:</b> Y 19-JUN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9899	DEF AT first sample examined	POS IN 2
9930 / 9929	DEF IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 2
9960 / 9959	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF IN 2
10050 /10049	DEF AT Arenaceous fauna (local marker)	DEF IN 2
10350 /10349	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	POS IN 2
10409 /10407	DEF AT pyrite	DEF IN 2
10410 /10408	DEF AT siltstone	DEF IN 2
10440 /10438	DEF AT local marker planktic foram increase	DEF IN 2
10890 /10865	POS AT local marker foram increase	POS IN 2
11010 /10972	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
11099 /11048	DEF AT pyrite	DEF AT 3
11100 /11049	DEF AT local marker benthic foram increase	DEF AT 3
11250 /11175	DEF AT local marker foram increase	DEF AT 3
11400 /11294	DEF AT local marker benthic foram increase	DEF AT 3
11460 /11338	DEF AT local marker foram decrease	DEF AT 3
11550 /11402	DEF AT reworked material	DEF IN 2
11820 /11556	DEF AT local marker benthic foram increase	DEF AT 3
11849 /11570	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
11850 /11570	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
11880 /11583	DEF AT pyrite	DEF IN 2
11940 /11610	DEF AT -----	DEF AT 3
12000 /11637	DEF AT -----	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 277  
 Lease Number: G10744  
 Well Name: K002  
 API Well Number: 177104158800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 19-JUN-2012

Date of Summary: 08-APR-2005  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: EPL OIL & GAS INC  
 Sample Range: 9900 - 14280  
 Ecozone Eq MMS: Y

First Sample Examined: 9900  
 Borehole MD: 14295  
 Borehole TVD: 12789  
 Rkb Elevation: 85  
 Water Depth: 179  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12060 /11667	DEF AT - - - - -	DEF AT 2
12180 /11728	DEF AT local marker foram decrease	POS AT 2
12360 /11824	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12600 /11947	DEF AT local marker foram increase	DEF AT 2
12930 /12122	DEF AT local marker foram increase	DEF AT 2
12990 /12153	DEF AT Cyclammina cancellata (local marker)	DEF AT 2
13590 /12444	DEF AT local marker foram increase	DEF AT 2
13650 /12475	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
13680 /12491	DEF AT - - - - -	POS AT 2
13980 /12645	POS AT local marker foram increase	POS AT 2
14295 /12789	DEF AT last sample examined	POS AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 281	Date of Summary: 16-APR-1997	First Sample Examined: 0
Lease Number: G09591	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7850
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 7406
API Well Number: 177104145800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 187
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4030 / 4029	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
5530 / 5469	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 287	Date of Summary: 31-JAN-1995	First Sample Examined: 0
Lease Number: G14475	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6593
API Well Number: 177104140000	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 187
Public Info Code: Y 03-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6200 / 6193	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 299	Date of Summary: 30-AUG-2002	First Sample Examined: 5030
Lease Number: G17990	Source of Paleo: OPERATOR	Borehole MD: 19510
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19500
API Well Number: 177104154300	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5030 - 19510	Water Depth: 212
Public Info Code: Y 05-FEB-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5030 / 5030	DEF AT first sample examined	DEF AT 3
5031 / 5031	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5960 / 5960	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7310 / 7310	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
8330 / 8329	DEF AT - - - - -	DEF AT 5
8630 / 8629	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9890 / 9889	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
10100 /10099	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11120 /11119	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11570 /11569	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11690 /11689	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13490 /13488	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15651 /15648	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
16670 /16666	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
18050 /18044	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
18200 /18194	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 6
19510 /19501	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EI 299	<b>Date of Summary:</b> 30-AUG-2002	<b>First Sample Examined:</b> 5030
<b>Lease Number:</b> G17990	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19510
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19500
<b>API Well Number:</b> 177104154300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5030 - 19510	<b>Water Depth:</b> 212
<b>Public Info Code:</b> Y 05-FEB-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5030 / 5030	DEF AT first sample examined	DEF AT
5510 / 5510	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5990 / 5990	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7040 / 7040	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7310 / 7310	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7490 / 7490	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8600 / 8599	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9560 / 9559	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9860 / 9859	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10730 /10729	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11180 /11179	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11600 /11599	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11690 /11689	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13250 /13248	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15110 /15107	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17240 /17235	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17510 /17505	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
18140 /18134	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19510 /19501	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 305	Date of Summary: 25-MAR-1995	First Sample Examined: 0
Lease Number: G02108	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14960
Well Name: B011	Paleo Done By: OPERATOR	Borehole TVD: 13999
API Well Number: 177104139700	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 230
Public Info Code: Y 02-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4060 / 4060	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT
5320 / 5320	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10240 /10030	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10630 /10357	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14230 /13367	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 309	Date of Summary: 09-AUG-1999	First Sample Examined: 11910
Lease Number: G02608	Source of Paleo: OPERATOR	Borehole MD: 14918
Well Name: J004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8515
API Well Number: 177104150600	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 11910 - 14910	Water Depth: 220
Public Info Code: Y 30-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11910 / 6891	DEF AT first sample examined	DEF IN 1
11931 / 6900	DEF AT -----	DEF AT 0
11940 / 6903	DEF AT -----	DEF AT 2
12120 / 6976	DEF AT local marker foram increase	DEF AT 2
12270 / 7043	DEF AT -----	DEF AT 0
12300 / 7056	DEF AT -----	DEF AT 2
12330 / 7069	DEF AT -----	DEF AT 0
12540 / 7162	DEF AT -----	DEF IN 1
12570 / 7176	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 1
12600 / 7191	DEF AT -----	DEF AT 0
12780 / 7283	DEF AT -----	DEF AT 2
13050 / 7433	DEF AT -----	DEF AT 0
13080 / 7449	DEF AT -----	DEF AT 2
13140 / 7482	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 2
13320 / 7586	DEF AT -----	DEF AT 0
13380 / 7620	DEF AT -----	DEF IN 1
13440 / 7656	DEF AT -----	DEF AT 2
13470 / 7673	DEF AT -----	DEF AT 0
13620 / 7762	DEF AT -----	DEF IN 1
13650 / 7780	DEF AT -----	DEF AT 2
13740 / 7833	DEF AT local marker foram increase	DEF AT 2
13830 / 7886	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 309	Date of Summary: 09-AUG-1999	First Sample Examined: 11910
Lease Number: G02608	Source of Paleo: OPERATOR	Borehole MD: 14918
Well Name: J004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8515
API Well Number: 177104150600	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 11910 - 14910	Water Depth: 220
Public Info Code: Y 30-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13890 / 7921	DEF AT -----	DEF AT 2
13920 / 7938	DEF AT local marker foram increase	DEF AT 3
13950 / 7956	DEF AT -----	DEF AT 2
14040 / 8007	DEF AT -----	DEF IN 2
14220 / 8109	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 2
14310 / 8161	DEF AT local marker foram increase	DEF AT 3
14370 / 8196	DEF AT -----	DEF IN 2
14460 / 8249	DEF AT transported inner shelf facies	POS AT 1
14520 / 8285	DEF AT -----	DEF AT 2
14730 / 8407	DEF AT transported inner shelf facies	POS AT 1
14760 / 8424	DEF AT -----	DEF AT 2
14880 / 8493	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
14910 / 8510	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 312	Date of Summary: 23-JUL-1991	First Sample Examined: 0
Lease Number: G02607	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9669
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 9234
API Well Number: 177104133800	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 229
Public Info Code: Y 22-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4180 / 4179	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5200 / 5136	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6970 / 6760	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8650 / 8296	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 312	<b>Date of Summary:</b> 08-JAN-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02607	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11014
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11000
<b>API Well Number:</b> 177104133700	<b>Drilling Operator:</b> PENNZENERGY COMPANY	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 229
<b>Public Info Code:</b> Y 22-AUG-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2650 / 2650	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5130 / 5130	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6960 / 6959	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8430 / 8428	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 312	Date of Summary: 02-SEP-1994	First Sample Examined: 0
Lease Number: G02607	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11740
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 8177
API Well Number: 177104139100	Drilling Operator: PENNZOIL EXPLORATION AND PROD	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 229
Public Info Code: Y 22-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11048 / 7757	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 313	Date of Summary: 25-SEP-2000	First Sample Examined: 5085
Lease Number: G02608	Source of Paleo: OPERATOR	Borehole MD: 9326
Well Name: C006	Paleo Done By: OPERATOR	Borehole TVD: 7466
API Well Number: 177104133102	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 5085 - 8015	Water Depth: 227
Public Info Code: Y 02-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5085 / 5066	DEF AT first sample examined	DEF AT 2
5175 / 5149	DEF AT pyrite	DEF IN 1
5510 / 5440	DEF AT local marker foram increase	DEF IN 1
5690 / 5581	DEF AT local marker foram increase	DEF IN 1
6090 / 5830	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
6180 / 5876	DEF AT -----	DEF IN 1
6275 / 5924	DEF AT -----	DEF AT 2
6325 / 5950	DEF AT sand	DEF IN 1
7129 / 6353	DEF AT pyrite	DEF IN 1
7130 / 6353	DEF AT local marker foram increase	DEF IN 1
7445 / 6510	DEF AT local marker foram increase	DEF IN 2
7535 / 6553	DEF AT -----	DEF AT 2
7930 / 6746	DEF AT local marker foram increase	DEF IN 2
7955 / 6759	DEF AT -----	DEF AT 2
8015 / 6789	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 320	Date of Summary: 30-JUN-1989	First Sample Examined: 900
Lease Number: G08695	Source of Paleo: OPERATOR	Borehole MD: 9320
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6003
API Well Number: 177104128770	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 900 - 9320	Water Depth: 244
Public Info Code: Y 31-MAY-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
900 / 876	DEF AT first sample examined	DEF AT
1980 / 1554	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8730 / 5452	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9300 / 5983	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9320 / 6003	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 320	Date of Summary: 03-JUL-1989	First Sample Examined: 900
Lease Number: G08695	Source of Paleo: OPERATOR	Borehole MD: 9320
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6003
API Well Number: 177104128770	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 900 - 9320	Water Depth: 244
Public Info Code: Y 31-MAY-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
900 / 876	DEF AT first sample examined	DEF IN 2
1680 / 1377	DEF AT - - - - -	DEF AT 3
7320 / 4356	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
8670 / 5398	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	POS AT 4
9320 / 6003	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 323	Date of Summary: 21-MAY-1996	First Sample Examined: 1600
Lease Number: G15261	Source of Paleo: OPERATOR	Borehole MD: 11600
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 10140
API Well Number: 177104143200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 1600 - 8575	Water Depth: 255
Public Info Code: Y 08-JAN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1600 / 1600	DEF AT first sample examined	DEF AT 5
2320 / 2320	DEF AT -----	DEF AT 3
2590 / 2590	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
2650 / 2650	DEF AT -----	DEF IN 3
2740 / 2740	DEF AT -----	DEF AT 3
3070 / 3070	DEF AT -----	DEF IN 3
3670 / 3670	DEF AT -----	DEF AT 4
4510 / 4510	DEF AT -----	DEF IN 4
4990 / 4989	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
5050 / 5048	DEF AT -----	DEF IN 3
6340 / 6241	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
6550 / 6412	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6820 / 6614	DEF AT -----	DEF AT 3
7780 / 7282	DEF AT -----	DEF IN 4
7920 / 7384	DEF AT -----	DEF IN 3
8575 / 7847	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 323	<b>Date of Summary:</b> 21-MAY-1996	<b>First Sample Examined:</b> 8183
<b>Lease Number:</b> G15261	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11600
<b>Well Name:</b> 001	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 10140
<b>API Well Number:</b> 177104143200	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8183 - 11601	<b>Water Depth:</b> 255
<b>Public Info Code:</b> Y 08-JAN-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8183 / 7570	DEF AT first sample examined	DEF IN 3
8827 / 8023	DEF AT -----	DEF IN 2
9508 / 8511	DEF AT -----	DEF IN 3
9877 / 8787	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10257 / 9079	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN 5
10756 / 9469	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
11175 / 9801	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11601 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 325	<b>Date of Summary:</b> 11-DEC-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05517	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7050
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6989
<b>API Well Number:</b> 177104129600	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 255
<b>Public Info Code:</b> Y 10-APR-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3140 / 3080	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7150 /	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7210 /	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 327	<b>Date of Summary:</b> 14-MAY-1998	<b>First Sample Examined:</b> 2000
<b>Lease Number:</b> G02910	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12229
<b>Well Name:</b> A015	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11804
<b>API Well Number:</b> 177104148300	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2000 - 12230	<b>Water Depth:</b> 262
<b>Public Info Code:</b> Y 01-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2000 / 1992	DEF AT first sample examined	DEF AT 3
2240 / 2221	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3110 / 3022	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4280 / 4100	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
8000 / 7583	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
8300 / 7879	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10340 / 9915	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
10430 /10005	DEF AT - - - - -	DEF AT 5
11000 /10575	DEF AT Cyclamina cancellata (local marker)	DEF AT 5
11030 /10605	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12140 /11715	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 5
12230 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 330	<b>Date of Summary:</b> 17-JUN-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02115	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13683
<b>Well Name:</b> A021	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12064
<b>API Well Number:</b> 177104131800	<b>Drilling Operator:</b> PENNZENERGY COMPANY	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 247
<b>Public Info Code:</b> Y 04-SEP-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1810 / 1810	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2200 / 2200	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
2410 / 2410	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5320 / 4990	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6760 / 6189	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8740 / 7825	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10000 / 8921	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
11020 / 9780	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12190 /10778	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12250 /10830	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12700 /11218	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 330	Date of Summary: 11-MAY-1973	First Sample Examined: 9090
Lease Number: G02115	Source of Paleo: OPERATOR	Borehole MD: 8115
Well Name: B005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7280
API Well Number: 177104009501	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9090 - 9694	Water Depth: 248
Public Info Code: Y 27-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9090 /	DEF AT first sample examined	DEF AT 3
9091 /	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
9694 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 335	Date of Summary: 09-FEB-1999	First Sample Examined: 0
Lease Number: G17996	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7000
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5477
API Well Number: 177104148000	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 272
Public Info Code: Y 10-JAN-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3480 / 3275	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT
4710 / 4046	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6300 / 5047	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 335	Date of Summary: 07-APR-1999	First Sample Examined: 0
Lease Number: G17996	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6783
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 5546
API Well Number: 177104148200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 266
Public Info Code: Y 10-JAN-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3180 / 3084	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
5790 / 4955	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 338	Date of Summary: 09-OCT-2000	First Sample Examined: 7250
Lease Number: G02118	Source of Paleo: OPERATOR	Borehole MD: 10328
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 8140
API Well Number: 177104010403	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 7250 - 9080	Water Depth: 259
Public Info Code: Y 04-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7250 / 5848	DEF AT first sample examined	DEF AT 3
7251 / 5848	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
7252 / 5849	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
7400 / 5929	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF IN 3
7499 / 5986	DEF AT pyrite	DEF AT 3
7500 / 5986	DEF AT local marker foram increase	DEF AT 3
7600 / 6045	DEF AT local marker foram decrease	DEF IN 2
8000 / 6293	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 2
8050 / 6325	DEF AT limestone	DEF AT 3
8100 / 6358	DEF AT local marker benthic foram increase	DEF AT 3
8150 / 6391	DEF AT pyrite	DEF AT 3
8250 / 6457	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
8450 / 6595	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
8550 / 6666	DEF AT local marker foram decrease	DEF IN 2
8750 / 6809	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 2
8800 / 6846	DEF AT local marker benthic foram increase	DEF AT 3
8850 / 6884	DEF AT local marker benthic foram increase	DEF IN 2
8900 / 6922	DEF AT local marker benthic foram increase	DEF IN 2
9050 / 7040	DEF AT faunal change (no faunal increase)	DEF IN 2
9080 / 7064	DEF AT last sample examined	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 338	Date of Summary: 17-AUG-2000	First Sample Examined: 6100
Lease Number: G02118	Source of Paleo: OPERATOR	Borehole MD: 9114
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 8046
API Well Number: 177104010601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 6100 - 8800	Water Depth: 250
Public Info Code: Y 30-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6100 / 5270	DEF AT first sample examined	DEF AT 2
6101 / 5271	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 2
6325 / 5466	POS AT local marker foram increase	DEF IN 2
6460 / 5587	DEF AT local marker foram decrease	DEF AT 2
6550 / 5669	DEF AT faunal change (no faunal increase)	DEF IN 2
6595 / 5710	DEF AT local marker foram increase	DEF IN 2
6730 / 5835	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 2
6775 / 5876	DEF AT faunal change (no faunal increase)	DEF AT 3
6950 / 6037	DEF AT local marker (general)	DEF AT 2
7000 / 6083	DEF AT local marker foram decrease	DEF AT 2
7090 / 6166	DEF AT local marker benthic foram increase	DEF AT 2
7225 / 6290	DEF AT local marker foram decrease	DEF IN 2
7945 / 6956	DEF AT local marker foram increase	DEF AT 3
8080 / 7078	DEF AT shell fragments	DEF AT 3
8125 / 7119	DEF AT local marker foram decrease	DEF AT 3
8215 / 7200	DEF AT - - - - -	DEF IN 2
8395 / 7366	DEF AT local marker foram increase	DEF IN 2
8440 / 7408	DEF AT local marker foram decrease	DEF IN 2
8485 / 7450	DEF AT faunal change (no faunal increase)	DEF AT 2
8620 / 7577	DEF AT local marker benthic foram increase	DEF AT 2
8710 / 7661	DEF AT local marker (general)	DEF IN 2
8755 / 7704	DEF AT local marker foram decrease	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 338	Date of Summary: 17-AUG-2000	First Sample Examined: 6100
Lease Number: G02118	Source of Paleo: OPERATOR	Borehole MD: 9114
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 8046
API Well Number: 177104010601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 6100 - 8800	Water Depth: 250
Public Info Code: Y 30-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8800 / 7747	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 339	Date of Summary: 25-NOV-1997	First Sample Examined: 0
Lease Number: G02118	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7057
Well Name: B012	Paleo Done By: OPERATOR	Borehole TVD: 5792
API Well Number: 177104034305	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 269
Public Info Code: Y 16-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2650 / 2524	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5020 / 4295	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 339	Date of Summary: 10-FEB-1993	First Sample Examined: 0
Lease Number: G02318	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5837
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 4874
API Well Number: 177104027201	Drilling Operator: TEXACO INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 260
Public Info Code: Y 07-FEB-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4272 / 4073	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
5100 / 4496	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 339	<b>Date of Summary:</b> 07-FEB-2002	<b>First Sample Examined:</b> 5545
<b>Lease Number:</b> G02318	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8633
<b>Well Name:</b> B003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 7482
<b>API Well Number:</b> 177104027801	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5545 - 8633	<b>Water Depth:</b> 269
<b>Public Info Code:</b> Y 17-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5545 / 4965	DEF AT first sample examined	DEF IN 2
5546 / 4966	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 2
5585 / 4998	DEF AT local marker foram increase	DEF IN 2
5665 / 5062	DEF AT local marker foram decrease	DEF IN 2
6225 / 5518	DEF AT local marker foram increase	DEF AT 3
6305 / 5583	DEF AT faunal change (no faunal increase)	DEF IN 2
6345 / 5615	DEF AT local marker foram increase	DEF IN 2
6679 / 5886	DEF AT local marker foram decrease	DEF IN 2
6999 / 6147	DEF AT local marker foram decrease	DEF IN 2
7079 / 6212	DEF AT local marker foram increase	DEF AT 2
7400 / 6474	DEF AT local marker foram increase	DEF IN 2
7440 / 6507	DEF AT pyrite	DEF IN 2
7600 / 6636	DEF AT local marker foram decrease	DEF IN 2
7640 / 6668	DEF AT faunal change (no faunal increase)	DEF AT 2
7720 / 6733	DEF AT local marker foram decrease	DEF AT 2
7840 / 6830	DEF AT Arenaceous fauna (local marker)	DEF AT 2
8000 / 6959	DEF AT local marker foram decrease	DEF AT 2
8160 / 7089	DEF AT local marker foram increase	DEF IN 2
8240 / 7155	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
8360 / 7254	DEF AT local marker foram decrease	DEF IN 2
8480 / 7354	DEF AT faunal change (no faunal increase)	DEF AT 2
8520 / 7388	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 339  
 Lease Number: G02318  
 Well Name: C017  
 API Well Number: 177104148801  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 10-JUN-2008

Date of Summary: 20-MAY-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: TEXACO EXPLORATION AND PROD  
 Sample Range: 10130 - 10860  
 Ecozone Eq MMS: Y

First Sample Examined: 10130  
 Borehole MD: 10854  
 Borehole TVD: 7334  
 Rkb Elevation: 126  
 Water Depth: 268  
 Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10130 / 6704	DEF AT first sample examined	DEF AT 2
10280 / 6829	DEF AT local marker foram increase	DEF AT 2
10550 / 7063	DEF AT local marker foram increase	DEF AT 2
10580 / 7090	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
10770 / 7259	DEF AT faunal change (no faunal increase)	DEF AT 2
10860 /	DEF AT last sample examined	DEF AT 2



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 339	<b>Date of Summary:</b> 01-JUN-1998	<b>First Sample Examined:</b> 10280
<b>Lease Number:</b> G02318	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10854
<b>Well Name:</b> C017	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 7334
<b>API Well Number:</b> 177104148801	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 126
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10280 - 10580	<b>Water Depth:</b> 268
<b>Public Info Code:</b> Y 10-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 / 6829	DEF AT first sample examined	DEF AT
10281 / 6830	DEF AT reworked material	DEF AT
10579 / 7089	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10580 / 7090	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 339	Date of Summary: 30-APR-1998	First Sample Examined: 7020
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 8788
Well Name: C019	Paleo Done By: OPERATOR	Borehole TVD: 7198
API Well Number: 177104149201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 7020 - 8790	Water Depth: 268
Public Info Code: Y 28-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 5508	DEF AT first sample examined	DEF AT 3
7030 / 5517	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
7180 / 5654	DEF AT faunal change (no faunal increase)	DEF IN 2
7330 / 5794	DEF AT local marker foram increase	DEF IN 2
8580 / 6996	DEF AT drilling material	DEF IN 2
8710 / 7123	DEF AT siltstone	DEF IN 2
8760 / 7171	DEF AT local marker foram increase	DEF IN 2
8790 / 7200	DEF AT last sample examined	DEF IN 2

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 339	Date of Summary: 17-NOV-2003	First Sample Examined: 3720
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 9918
Well Name: C021	Paleo Done By: OPERATOR	Borehole TVD: 6944
API Well Number: 177104157100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 3720 - 9890	Water Depth: 268
Public Info Code: Y 20-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3720 / 2992	DEF AT first sample examined	POS AT 1
3870 / 3050	DEF AT faunal change (no faunal increase)	DEF AT 1
4260 / 3181	POS AT local marker foram increase	DEF AT 1
4680 / 3271	DEF AT shell fragments	DEF AT 1
5400 / 3411	DEF AT faunal change (no faunal increase)	DEF IN 1
5430 / 3420	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5520 / 3448	DEF AT faunal change (no faunal increase)	DEF IN 2
5939 / 3643	DEF AT shell fragments	DEF AT 2
5940 / 3643	DEF AT local marker foram increase	DEF AT 2
5970 / 3660	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
6000 / 3677	DEF AT faunal change (no faunal increase)	DEF IN 3
6060 / 3711	DEF AT local marker foram increase	DEF IN 3
6120 / 3746	DEF AT pyrite	DEF IN 3
6240 / 3818	DEF AT faunal change (no faunal increase)	DEF AT 3
6300 / 3855	DEF AT local marker foram decrease	DEF AT 3
6600 / 4055	DEF AT local marker foram increase	DEF AT 3
6780 / 4186	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
6869 / 4252	DEF AT pyrite	DEF AT 3
6870 / 4253	DEF AT local marker foram increase	DEF AT 3
6929 / 4298	DEF AT limestone	DEF AT 3
6930 / 4298	DEF AT local marker foram decrease	DEF AT 3
6990 / 4344	DEF AT limestone	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 339	Date of Summary: 17-NOV-2003	First Sample Examined: 3720
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 9918
Well Name: C021	Paleo Done By: OPERATOR	Borehole TVD: 6944
API Well Number: 177104157100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 3720 - 9890	Water Depth: 268
Public Info Code: Y 20-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8070 / 5196	DEF AT local marker foram increase	DEF AT 3
8160 / 5275	DEF AT faunal change (no faunal increase)	DEF IN 2
8250 / 5354	DEF AT faunal change (no faunal increase)	DEF AT 3
8340 / 5434	DEF AT local marker foram increase	DEF AT 3
8370 / 5461	DEF AT local marker foram decrease	DEF IN 2
8520 / 5601	DEF AT local marker foram increase	DEF IN 2
8790 / 5861	DEF AT local marker foram increase	DEF IN 2
8880 / 5948	DEF AT faunal change (no faunal increase)	DEF AT 3
8940 / 6006	DEF AT sample gap top	POS AT 3
9829 / 6859	DEF AT sample gap bottom	DEF IN 3
9830 / 6860	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 3
9860 / 6889	DEF AT - - - - -	DEF AT 4
9890 / 6918	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 341	Date of Summary: 24-AUG-1995	First Sample Examined: 4500
Lease Number: G02914	Source of Paleo: OPERATOR	Borehole MD: 7715
Well Name: A013	Paleo Done By: OPERATOR	Borehole TVD: 7480
API Well Number: 177104092401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 4500 - 7740	Water Depth: 275
Public Info Code: Y 30-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 1
5130 / 5105	DEF AT -----	DEF AT 2
5160 / 5131	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
6180 / 5974	DEF AT -----	DEF AT 1
6420 / 6196	DEF AT -----	DEF AT 3
6780 / 6550	DEF AT -----	DEF AT 1
7140 / 6906	DEF AT -----	DEF AT 2
7440 / 7205	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 2
7560 / 7325	DEF AT -----	DEF AT 1
7740 /	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 341	<b>Date of Summary:</b> 24-AUG-1995	<b>First Sample Examined:</b> 1030
<b>Lease Number:</b> G02914	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11092
<b>Well Name:</b> A014	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8811
<b>API Well Number:</b> 177104140400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 116
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 1030 - 11080	<b>Water Depth:</b> 275
<b>Public Info Code:</b> Y 02-JUL-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1030 / 1030	DEF AT first sample examined	DEF AT 1
1330 / 1325	DEF AT -----	DEF AT 2
1600 / 1586	DEF AT -----	DEF AT 3
2230 / 2159	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 3
2920 / 2619	DEF AT -----	DEF AT 1
4210 / 3320	DEF AT -----	DEF AT 3
4750 / 3597	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5230 / 3847	DEF AT -----	DEF AT 2
6220 / 4397	DEF AT -----	DEF AT 1
6820 / 4775	DEF AT -----	DEF AT 2
9700 / 7420	DEF AT -----	DEF AT 4
10870 / 8589	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
10990 / 8709	DEF AT salt	DEF AT 4
11080 / 8799	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 342	Date of Summary: 29-APR-2002	First Sample Examined: 7020
Lease Number: G02914	Source of Paleo: OPERATOR	Borehole MD: 17589
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 17389
API Well Number: 177104153701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 110
Paleo Report Num: 1 of 2	Sample Range: 7020 - 17588	Water Depth: 290
Public Info Code: Y 12-MAY-2012	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, see drilling report for ecozones

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7018	DEF AT first sample examined	DEF AT
7739 / 7737	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7740 / 7738	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
8760 / 8758	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT
9960 / 9958	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
10020 /10018	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT
10200 /10198	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10230 /10228	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10260 /10258	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
10290 /10288	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10320 /10317	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
10380 /10377	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
10470 /10467	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10500 /10497	DEF IN salt	DEF AT
12576 /12568	DEF AT base of salt	DEF AT
12600 /12592	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12870 /12862	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT
13080 /13071	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13620 /13610	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13710 /13700	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
13890 /13880	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14700 /14664	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 342	<b>Date of Summary:</b> 29-APR-2002	<b>First Sample Examined:</b> 7020
<b>Lease Number:</b> G02914	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17589
<b>Well Name:</b> 006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17389
<b>API Well Number:</b> 177104153701	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7020 - 17588	<b>Water Depth:</b> 290
<b>Public Info Code:</b> Y 12-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15240 /15168	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15900 /15784	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
16560 /16408	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17070 /16894	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17100 /16923	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
17588 /17385	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 342	Date of Summary: 29-APR-2002	First Sample Examined: 7020
Lease Number: G02914	Source of Paleo: OPERATOR	Borehole MD: 17589
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 17389
API Well Number: 177104153701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 110
Paleo Report Num: 2 of 2	Sample Range: 7020 - 17550	Water Depth: 290
Public Info Code: Y 12-MAY-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7018	DEF AT first sample examined	DEF AT
7740 / 7738	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8759 / 8757	DEF AT reworked material	DEF AT
8760 / 8758	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10290 /10288	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10470 /10467	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10500 /10497	DEF IN salt	DEF AT
12570 /12562	DEF AT base of salt	DEF AT
12599 /12591	POS AT reworked material	DEF AT
12600 /12592	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12629 /12621	POS AT reworked material	DEF AT
12630 /12622	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13080 /13071	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13620 /13610	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13890 /13880	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14459 /14438	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14460 /14439	POS AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
14700 /14664	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
15240 /15168	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16560 /16408	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17070 /16894	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17550 /17349	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 343	Date of Summary: 23-JUL-2003	First Sample Examined: 3500
Lease Number: G21646	Source of Paleo: OPERATOR	Borehole MD: 11242
Well Name: D001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10262
API Well Number: 177104156300	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 3500 - 11240	Water Depth: 280
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT 2
4340 / 4340	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4760 / 4760	DEF AT -----	DEF AT 2
5750 / 5750	DEF AT -----	DEF AT 3
5930 / 5930	DEF AT -----	DEF AT 4
5990 / 5990	DEF AT local marker benthic foram increase	DEF AT 4
6170 / 6170	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 4
6380 / 6380	DEF AT -----	DEF AT 3
6710 / 6708	DEF AT -----	DEF AT 2
8510 / 8320	DEF AT -----	DEF AT 3
8570 / 8372	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
8690 / 8476	DEF AT -----	DEF AT 3
11240 / 10262	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 343	<b>Date of Summary:</b> 23-JUL-2003	<b>First Sample Examined:</b> 11240
<b>Lease Number:</b> G21646	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12865
<b>Well Name:</b> D001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11038
<b>API Well Number:</b> 177104156301	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11240 - 12865	<b>Water Depth:</b> 282
<b>Public Info Code:</b> Y 18-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11240 /10224	DEF AT first sample examined	DEF AT 3
12680 /10932	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12865 /11038	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 14-JUN-1999	First Sample Examined: 1500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15518
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15518
API Well Number: 177104149900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 1500 - 15510	Water Depth: 327
Public Info Code: Y 10-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT first sample examined	DEF AT 2
1890 / 1890	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
2250 / 2250	DEF AT - - - - -	DEF AT 3
4320 / 4320	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5370 / 5370	DEF AT - - - - -	DEF AT 4
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
11280 /11280	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11640 /11640	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
11700 /11699	DEF AT - - - - -	DEF AT 5
12150 /12149	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12300 /12299	DEF AT - - - - -	DEF AT 6
12420 /12419	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
12540 /12539	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13260 /13257	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14040 /14035	DEF AT - - - - -	DEF AT 5
14310 /14304	DEF AT - - - - -	DEF AT 4
15510 /15503	DEF AT last sample examined	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 14-JUN-1999	First Sample Examined: 1500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15518
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15518
API Well Number: 177104149900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 94
Paleo Report Num: 2 of 2	Sample Range: 1500 - 15510	Water Depth: 327
Public Info Code: Y 10-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT first sample examined	DEF AT
2220 / 2220	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2400 / 2400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5400 / 5400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6720 / 6720	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6840 / 6840	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8940 / 8940	DEF AT sample gap top	DEF AT
9030 / 9030	DEF AT sample gap bottom	DEF AT
10140 /10140	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11100 /11100	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11610 /11610	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11640 /11640	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12060 /12059	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12090 /12089	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12240 /12239	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12360 /12359	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15480 /15473	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15510 /15503	DEF AT last sample examined	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346  
Lease Number: G14482  
Well Name: 003  
API Well Number: 177104149901  
Paleo Report Num: 1 of 2  
Public Info Code: Y 28-JUN-2009

Date of Summary: 14-JUN-1999  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 11020 - 14110  
Ecozone Eq MMS: Y

First Sample Examined: 11020  
Borehole MD: 14145  
Borehole TVD: 13133  
Rkb Elevation: 95  
Water Depth: 325  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11020 /11020	DEF AT first sample examined	DEF AT 4
11230 /11229	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
11650 /11627	DEF AT - - - - -	DEF AT 5
11770 /11731	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
12550 /12279	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13029 /12538	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13030 /12538	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
14110 /13115	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 346	<b>Date of Summary:</b> 14-JUN-1999	<b>First Sample Examined:</b> 11020
<b>Lease Number:</b> G14482	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14145
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13133
<b>API Well Number:</b> 177104149901	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11020 - 14110	<b>Water Depth:</b> 325
<b>Public Info Code:</b> Y 28-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11020 /11020	DEF AT first sample examined	DEF AT
11080 /11080	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11560 /11545	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11650 /11627	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11920 /11855	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13030 /12538	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13090 /12570	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
14110 /13115	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 346	<b>Date of Summary:</b> 16-JUL-1999	<b>First Sample Examined:</b> 11020
<b>Lease Number:</b> G14482	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16511
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14435
<b>API Well Number:</b> 177104149902	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11020 - 16511	<b>Water Depth:</b> 327
<b>Public Info Code:</b> Y 05-AUG-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11020 /11020	DEF AT first sample examined	DEF AT
11080 /11079	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11560 /11541	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11590 /11569	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11830 /11780	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11920 /11855	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12220 /12088	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12221 /12089	POS AT salt weld	DEF AT
12250 /12109	POS IN salt weld	DEF AT
12251 /12110	DEF AT out-of-place section	DEF AT
12640 /12349	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15880 /14064	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16060 /14167	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16511 /14435	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 19-JUL-1999	First Sample Examined: 11020
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 16511
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14435
API Well Number: 177104149902	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 94
Paleo Report Num: 2 of 2	Sample Range: 11020 - 16511	Water Depth: 327
Public Info Code: Y 05-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11020 /11020	DEF AT first sample examined	DEF AT 4
11110 /11109	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11559 /11540	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11560 /11541	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
11860 /11805	DEF AT faunal change (no faunal increase)	DEF AT 5
12040 /11952	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12220 /12088	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
12640 /12349	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12910 /12484	DEF AT faunal change (no faunal increase)	DEF AT 5
15400 /13796	DEF AT faunal change (no faunal increase)	DEF AT 6
16511 /14435	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 30-AUG-1999	First Sample Examined: 8520
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15755
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 15380
API Well Number: 177104150500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 8520 - 15755	Water Depth: 318
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 14370=oldest age-diagnostic species may indicate reverse age section, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8520 / 8259	DEF AT first sample examined	DEF AT
8820 / 8536	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10170 / 9807	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
10770 /10398	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10980 /10607	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11880 /11505	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12120 /11745	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12270 /11895	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12300 /11925	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12360 /11985	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12480 /12105	DEF AT salt	DEF AT
14250 /13875	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
14370 /13995	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
14670 /14295	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
15150 /14774	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15480 /15104	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15754 /15378	POS IN Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
15755 /15379	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 01-SEP-1999	First Sample Examined: 8520
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15755
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15380
API Well Number: 177104150500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 8520 - 15755	Water Depth: 318
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Interval between 14670 and 15755 in the well may indicate reverse age section, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8520 / 8259	DEF AT first sample examined	DEF AT 4
9390 / 9063	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
10920 /10547	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11820 /11445	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
12150 /11775	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12300 /11925	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
12659 /12284	DEF AT anhydrite	DEF AT 5
12660 /12285	DEF AT salt	DEF AT 5
13830 /13455	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
14250 /13875	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
14310 /13935	DEF AT base of salt	DEF AT 5
14670 /14295	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
14940 /14565	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
15480 /15104	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15540 /15164	DEF AT faunal change (no faunal increase)	DEF AT 6
15755 /15379	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 17-JUL-2000	First Sample Examined: 1860
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 21756
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20000
API Well Number: 177104151900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 1860 - 21750	Water Depth: 314
Public Info Code: Y 15-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1860 / 1860	DEF AT first sample examined	DEF AT 4
1890 / 1890	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
1920 / 1920	DEF AT - - - - -	DEF AT 3
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6120 / 6120	DEF AT - - - - -	DEF AT 4
7560 / 7550	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
10020 / 9864	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
10290 /10118	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
10500 /10317	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10590 /10401	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11370 /11139	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11460 /11225	DEF AT - - - - -	DEF AT 6
11490 /11254	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11670 /11425	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13410 /13055	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
18660 /17346	DEF AT local marker planktic foram increase	DEF AT 6
19200 /17782	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
21510 /19772	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 6
21750 /19994	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 17-JUL-2000	First Sample Examined: 1860
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 21756
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20000
API Well Number: 177104151900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 1860 - 21750	Water Depth: 314
Public Info Code: Y 15-JUL-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1860 / 1860	DEF AT first sample examined	DEF AT
2160 / 2160	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2550 / 2550	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4770 / 4770	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6300 / 6300	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7560 / 7550	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7830 / 7811	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9660 / 9526	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10110 / 9948	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10199 /10032	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10200 /10033	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11340 /11111	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11400 /11168	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13590 /13217	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16860 /15901	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
18690 /17370	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18930 /17564	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
19230 /17806	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20880 /19198	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21750 /19994	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 3500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11833
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11817
API Well Number: 177104149100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3500 - 11833	Water Depth: 314
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT 2
4670 / 4670	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6230 / 6230	DEF AT - - - - -	DEF AT 4
7430 / 7430	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
7520 / 7520	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9200 / 9199	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
9440 / 9439	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9470 / 9469	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9710 / 9709	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
9740 / 9739	DEF AT - - - - -	DEF AT 5
9770 / 9769	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10070 /10069	DEF AT - - - - -	DEF AT 6
10880 /10879	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10910 /10909	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11150 /11149	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11660 /11650	POS AT local marker planktic foram increase	DEF AT 6
11833 /11817	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 3500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11833
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11817
API Well Number: 177104149100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 3500 - 11833	Water Depth: 314
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT
3830 / 3830	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4730 / 4730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6470 / 6470	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7550 / 7550	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7790 / 7790	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9200 / 9199	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9380 / 9379	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9440 / 9439	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9470 / 9469	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus (increase)	DEF AT
9740 / 9739	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9800 / 9799	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9980 / 9979	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10070 /10069	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10400 /10399	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11000 /10999	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11330 /11328	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11833 /11817	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 11300
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14350
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14265
API Well Number: 177104149101	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 11300 - 14360	Water Depth: 314
Public Info Code: Y 23-AUG-2008	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /11299	DEF AT first sample examined	DEF AT
12410 /12391	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
13070 /13036	DEF AT sample gap top	DEF AT
13190 /13152	DEF AT sample gap bottom	DEF AT
14330 /14246	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
14360 /	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 346	<b>Date of Summary:</b> 27-JUL-1998	<b>First Sample Examined:</b> 11300
<b>Lease Number:</b> G14482	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14350
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14265
<b>API Well Number:</b> 177104149101	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11300 - 14360	<b>Water Depth:</b> 314
<b>Public Info Code:</b> Y 23-AUG-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /11299	DEF AT first sample examined	DEF AT
11301 /11300	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12050 /12038	DEF AT local marker floral increase	DEF AT
13970 /13901	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14150 /14073	DEF AT condensed section	DEF AT
14239 /14159	DEF AT salt weld	DEF AT
14240 /14160	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14360 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 12-MAR-1999	First Sample Examined: 3800
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11627
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11353
API Well Number: 177104149600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3800 - 11720	Water Depth: 314
Public Info Code: Y 15-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3800 / 3800	DEF AT first sample examined	DEF AT 2
4700 / 4700	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
4730 / 4730	DEF AT faunal change (no faunal increase)	DEF AT 3
6110 / 6110	DEF AT faunal change (no faunal increase)	DEF AT 4
7580 / 7580	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9350 / 9341	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
9380 / 9370	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9710 / 9685	DEF AT faunal change (no faunal increase)	DEF AT 5
9950 / 9907	POS AT local marker (general)	DEF AT 5
9951 / 9908	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
10100 /10042	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10340 /10250	DEF AT faunal change (no faunal increase)	DEF AT 6
11450 /11202	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11720 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EI 346	<b>Date of Summary:</b> 12-MAR-1999	<b>First Sample Examined:</b> 7010
<b>Lease Number:</b> G14482	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11627
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11353
<b>API Well Number:</b> 177104149600	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7010 - 11700	<b>Water Depth:</b> 314
<b>Public Info Code:</b> Y 15-JAN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7010 / 7010	DEF AT first sample examined	DEF AT
7490 / 7490	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7820 / 7820	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9290 / 9283	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9350 / 9341	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9380 / 9370	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9410 / 9399	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9950 / 9907	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10040 / 9988	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10250 /10172	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10340 /10250	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11120 /10917	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11700 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 12-MAR-1999	First Sample Examined: 11720
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15255
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14480
API Well Number: 177104149601	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 11720 - 15255	Water Depth: 314
Public Info Code: Y 13-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11720 /11432	DEF AT first sample examined	DEF AT 6
11990 /11661	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
12050 /11712	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12200 /11840	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12740 /12305	DEF AT Arenaceous fauna (local marker)	DEF AT 5
13940 /13347	DEF AT local marker planktic foram increase	DEF AT 5
14270 /13631	DEF AT Eggerella sp. (local marker)	DEF AT 5
14720 /14017	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14839 /14119	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
14840 /14120	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14869 /14145	DEF AT Bathysiphon fauna	DEF AT 5
14870 /14146	DEF AT local marker benthic foram increase	DEF AT 5
15170 /14406	DEF AT Bathysiphon fauna	DEF AT 5
15200 /14432	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15255 /14480	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 12-MAR-1999	First Sample Examined: 11780
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15255
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14480
API Well Number: 177104149601	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 11780 - 15255	Water Depth: 314
Public Info Code: Y 13-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11780 /11483	DEF AT first sample examined	DEF AT
11990 /11661	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12020 /11687	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12080 /11737	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12230 /11865	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12410 /12020	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
14720 /14017	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14750 /14043	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14810 /14094	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15255 /14480	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 346	<b>Date of Summary:</b> 12-MAR-1999	<b>First Sample Examined:</b> 11940
<b>Lease Number:</b> G14482	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14522
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13986
<b>API Well Number:</b> 177104149602	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 11940 - 14240	<b>Water Depth:</b> 314
<b>Public Info Code:</b> Y 17-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Report based on sidewall cores, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11940 /11678	DEF AT first sample examined	DEF AT
12120 /11837	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12270 /11970	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
13380 /12965	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13770 /13316	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
14090 /13602	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14239 /13735	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14240 /13736	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 09-APR-1999	First Sample Examined: 10400
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14522
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13986
API Well Number: 177104149602	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 10400 - 14520	Water Depth: 314
Public Info Code: Y 17-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10400 /10302	DEF AT first sample examined	DEF AT 6
10401 /10303	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
11180 /10991	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12050 /11775	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
12230 /11935	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12290 /11988	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12530 /12201	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12829 /12467	DEF AT Eggerella sp. (local marker)	DEF AT 6
12830 /12468	DEF AT Arenaceous fauna (local marker)	DEF AT 6
13189 /12792	DEF AT local marker planktic foram increase	DEF AT 6
13190 /12793	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
13850 /13388	DEF IN salt	POS AT 6
13969 /13494	DEF AT base of salt	DEF AT 6
13970 /13495	DEF IN local marker planktic foram increase	DEF AT 6
14090 /13602	DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis	DEF AT 6
14208 /13707	DEF AT out-of-place section	DEF AT 6
14209 /13708	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
14210 /13709	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
14360 /13842	DEF AT local marker planktic foram increase	DEF AT 6
14520 /13985	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 09-APR-1999	First Sample Examined: 10400
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14522
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13986
API Well Number: 177104149602	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 3 of 3	Sample Range: 10400 - 14490	Water Depth: 314
Public Info Code: Y 17-APR-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10400 /10302	DEF AT first sample examined	DEF AT
10401 /10303	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12118 /11836	POS AT maximum flooding surface	DEF AT
12119 /11837	DEF AT condensed section	DEF AT
12120 /11837	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12200 /11908	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13340 /12929	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13760 /13308	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13880 /13415	DEF AT salt	DEF AT
13999 /13521	DEF AT base of salt	DEF AT
14000 /13522	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14030 /13548	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14180 /13682	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14210 /13709	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14270 /13762	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14360 /13842	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
14490 /13958	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 17-MAY-1999	First Sample Examined: 13713
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14220
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13923
API Well Number: 177104149603	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 3	Sample Range: 13713 - 14151	Water Depth: 314
Public Info Code: Y 14-MAY-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Foram and nanno report based on sidewall cores, foram and nanno species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13713 /13451	DEF AT first sample examined	DEF AT 6
13785 /13519	POS AT Arenaceous fauna (local marker)	DEF AT 6
13787 /13520	DEF AT local marker deep water fauna	DEF IN 5
13964 /13685	POS AT local marker floral increase	DEF IN 5
13965 /13686	POS AT Arenaceous fauna (local marker)	DEF AT 6
14069 /13783	POS AT Arenaceous fauna (local marker)	DEF AT 6
14150 /13858	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
14151 /13859	DEF AT condensed section	DEF AT 6
14152 /13860	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 04-JUN-1999	First Sample Examined: 8530
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14220
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13923
API Well Number: 177104149603	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 8530 - 14220	Water Depth: 314
Public Info Code: Y 14-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Samples from 13725 TO 14151 are based on sidewall cores, 14150 to 14220 were obtained through cuttings, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8530 / 8529	DEF AT first sample examined	DEF AT 4
9470 / 9442	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9740 / 9699	DEF AT faunal change (no faunal increase)	DEF AT 5
9800 / 9757	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9890 / 9843	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9980 / 9929	DEF AT faunal change (no faunal increase)	DEF AT 5
11780 /11632	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11870 /11717	DEF AT faunal change (no faunal increase)	DEF AT 6
12050 /11886	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12980 /12762	DEF AT faunal change (no faunal increase)	DEF AT 5
14220 /13923	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 04-JUN-1999	First Sample Examined: 8530
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14220
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13923
API Well Number: 177104149603	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 3 of 3	Sample Range: 8530 - 14220	Water Depth: 314
Public Info Code: Y 14-MAY-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, samples from 13750 TO 14151 are based on sidewall cores, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8530 / 8529	DEF AT first sample examined	DEF AT
8990 / 8981	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9170 / 9153	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9320 / 9297	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9530 / 9499	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9680 / 9642	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10070 /10015	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11780 /11632	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14220 /13923	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 07-MAR-2003	First Sample Examined: 8500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14171
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14035
API Well Number: 177104155100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 166
Paleo Report Num: 1 of 2	Sample Range: 8500 - 14140	Water Depth: 315
Public Info Code: Y 25-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8372	DEF AT first sample examined	DEF AT 3
8860 / 8730	DEF AT - - - - -	DEF AT 4
8920 / 8790	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10240 /10107	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
11290 /11157	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11350 /11217	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11500 /11366	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11560 /11426	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
11800 /11666	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11830 /11696	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12100 /11966	DEF AT - - - - -	DEF AT 6
12160 /12026	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12310 /12176	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 6
13360 /13225	DEF AT - - - - -	DEF AT 5
14140 /14004	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 10-MAR-2003	First Sample Examined: 8500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14171
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14035
API Well Number: 177104155100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 166
Paleo Report Num: 2 of 2	Sample Range: 8500 - 14140	Water Depth: 315
Public Info Code: Y 25-MAR-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8500 / 8372	DEF AT first sample examined	DEF AT
8980 / 8850	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9820 / 9688	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10330 /10197	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11290 /11157	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11500 /11366	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11620 /11486	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11830 /11696	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12130 /11996	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13210 /13075	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14140 /14004	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 346	<b>Date of Summary:</b> 20-MAR-2000	<b>First Sample Examined:</b> 8000
<b>Lease Number:</b> G15307	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12391
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12095
<b>API Well Number:</b> 177104151100	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8000 - 12390	<b>Water Depth:</b> 304
<b>Public Info Code:</b> Y 20-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 8000	DEF AT first sample examined	DEF AT
8600 / 8600	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9230 / 9230	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
10130 /10128	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10160 /10158	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10220 /10218	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
10580 /10573	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10610 /10602	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12390 /12094	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 346	<b>Date of Summary:</b> 01-MAY-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15307	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12391
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12095
<b>API Well Number:</b> 177104151100	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 304
<b>Public Info Code:</b> Y 20-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5300 / 5300	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8600 / 8600	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10160 /10158	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
10610 /10602	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 346	Date of Summary: 20-MAR-2000	First Sample Examined: 12410
Lease Number: G15307	Source of Paleo: OPERATOR	Borehole MD: 15093
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13868
API Well Number: 177104151101	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 12410 - 13100	Water Depth: 304
Public Info Code: Y 20-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 15093 was the actual TD of sidetrack 1 but samples were not examined in the salt below 13100

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12410 /12112	DEF AT first sample examined	DEF AT
12470 /12151	DEF IN salt	DEF AT
13100 /12571	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 349	Date of Summary: 08-MAR-1996	First Sample Examined: 3530
Lease Number: G02322	Source of Paleo: OPERATOR	Borehole MD: 11342
Well Name: B021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8703
API Well Number: 177104141100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 2	Sample Range: 3530 - 11330	Water Depth: 298
Public Info Code: Y 07-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3530 / 3134	DEF AT first sample examined	DEF AT 2
4640 / 3859	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5000 / 4087	DEF AT -----	DEF AT 2
8870 / 6916	DEF AT -----	DEF AT 3
9440 / 7335	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
11330 / 8694	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 349	Date of Summary: 08-MAR-1996	First Sample Examined: 3530
Lease Number: G02322	Source of Paleo: OPERATOR	Borehole MD: 11342
Well Name: B021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8703
API Well Number: 177104141100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 95
Paleo Report Num: 2 of 2	Sample Range: 3530 - 11330	Water Depth: 298
Public Info Code: Y 07-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3530 / 3134	DEF AT first sample examined	DEF AT
4310 / 3649	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8960 / 6983	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9110 / 7095	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10670 / 8219	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11330 / 8694	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 349	<b>Date of Summary:</b> 25-NOV-1996	<b>First Sample Examined:</b> 8200
<b>Lease Number:</b> G02322	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12400
<b>Well Name:</b> B023	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9435
<b>API Well Number:</b> 177104144400	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8200 - 12400	<b>Water Depth:</b> 298
<b>Public Info Code:</b> Y 10-DEC-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8200 / 6265	DEF AT first sample examined	DEF AT 3
10240 / 7796	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
10300 / 7841	DEF AT - - - - -	DEF AT 4
10360 / 7886	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10600 / 8066	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "B")	DEF AT 4
10660 / 8111	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
11170 / 8499	DEF AT - - - - -	DEF AT 3
12400 / 9436	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 349	Date of Summary: 25-NOV-1996	First Sample Examined: 8200
Lease Number: G02322	Source of Paleo: OPERATOR	Borehole MD: 12400
Well Name: B023	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9435
API Well Number: 177104144400	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 8200 - 12400	Water Depth: 298
Public Info Code: Y 10-DEC-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8200 / 6265	DEF AT first sample examined	DEF AT
8560 / 6529	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9460 / 7207	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10030 / 7637	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10240 / 7796	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12400 / 9436	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 352  
 Lease Number: G03410  
 Well Name: A001  
 API Well Number: 177104150200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 07-JUL-2009

Date of Summary: 07-JUL-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: NEWFIELD EXPLORATION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14830  
 Borehole TVD: 14827  
 Rkb Elevation: 90  
 Water Depth: 295  
 Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2630 / 2630	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9330 / 9329	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10170 /10169	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10950 /10949	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
13845 /13843	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
14400 /14397	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 353	Date of Summary: 20-JUL-1993	First Sample Examined: 2770
Lease Number: G02323	Source of Paleo: OPERATOR	Borehole MD: 5513
Well Name: D016	Paleo Done By: OPERATOR	Borehole TVD: 4449
API Well Number: 177104135000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 2770 - 5513	Water Depth: 302
Public Info Code: Y 24-DEC-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2770 / 2580	DEF AT first sample examined	DEF AT 1
2800 / 2600	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 1
3250 / 2896	DEF AT -----	DEF AT 2
3450 / 3029	DEF AT -----	DEF IN 2
3790 / 3259	DEF AT -----	DEF AT 2
4300 / 3610	DEF AT -----	DEF IN 2
4720 / 3905	DEF AT -----	DEF AT 2
5513 / 4449	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 353	Date of Summary: 20-JUL-1993	First Sample Examined: 3130
Lease Number: G02324	Source of Paleo: OPERATOR	Borehole MD: 8885
Well Name: D015	Paleo Done By: OPERATOR	Borehole TVD: 5032
API Well Number: 177104134600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 3130 - 8885	Water Depth: 308
Public Info Code: Y 06-DEC-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3130 / 2322	DEF AT first sample examined	DEF AT 1
3310 / 2412	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
4150 / 2836	DEF AT -----	DEF AT 1
4300 / 2908	DEF AT -----	DEF AT 2
7150 / 4198	DEF AT -----	POS AT 1
8010 / 4618	DEF AT -----	DEF AT 1
8320 / 4770	DEF AT -----	POS AT 1
8885 / 5055	DEF AT last sample examined	POS AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 354	Date of Summary: 04-AUG-1999	First Sample Examined: 0
Lease Number: G10752	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8430
Well Name: D002	Paleo Done By: OPERATOR	Borehole TVD: 7899
API Well Number: 177104138100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 270
Public Info Code: Y 23-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3770 / 3770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4400 / 4395	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT
8090 / 7582	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 355	Date of Summary: 16-SEP-2002	First Sample Examined: 4530
Lease Number: G19797	Source of Paleo: OPERATOR	Borehole MD: 11700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11699
API Well Number: 177104154400	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4530 - 11730	Water Depth: 285
Public Info Code: Y 21-SEP-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
4530 / 4530	DEF AT first sample examined	DEF AT 4
4531 / 4531	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
4532 / 4532	DEF IN Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
4860 / 4860	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6419 / 6418	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
6420 / 6419	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
6780 / 6779	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8790 / 8789	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8819 / 8818	DEF AT Bathysiphon fauna	DEF AT 5
8820 / 8819	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 5
9090 / 9089	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
11730 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 362	Date of Summary: 12-OCT-2000	First Sample Examined: 0
Lease Number: G16371	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5697
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 5100
API Well Number: 177104152700	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 316
Public Info Code: Y 31-MAY-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2060 / 2050	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2600 / 2555	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 370	Date of Summary: 03-APR-1990	First Sample Examined: 2320
Lease Number: G09601	Source of Paleo: OPERATOR	Borehole MD: 11001
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9567
API Well Number: 177104131000	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 68
Paleo Report Num: 1 of 2	Sample Range: 2320 - 11000	Water Depth: 391
Public Info Code: Y 30-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2320 / 2320	DEF AT first sample examined	DEF IN 3
3130 / 3130	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
3340 / 3340	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
4780 / 4745	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
4960 / 4902	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
6730 / 6166	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
7420 / 6648	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 5
9370 / 8125	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 5
10720 / 9313	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS AT 5
11000 / 9567	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 370	Date of Summary: 03-APR-1990	First Sample Examined: 2320
Lease Number: G09601	Source of Paleo: OPERATOR	Borehole MD: 11001
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9567
API Well Number: 177104131000	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 68
Paleo Report Num: 2 of 2	Sample Range: 2320 - 11000	Water Depth: 391
Public Info Code: Y 30-APR-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2320 / 2320	DEF AT first sample examined	DEF AT
2321 / 2321	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5080 / 5003	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6070 / 5710	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6880 / 6270	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10810 / 9394	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10900 / 9476	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11000 / 9567	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 370	Date of Summary: 17-APR-1990	First Sample Examined: 5020
Lease Number: G09601	Source of Paleo: OPERATOR	Borehole MD: 9464
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7811
API Well Number: 177104131001	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 68
Paleo Report Num: 1 of 2	Sample Range: 5020 - 9464	Water Depth: 391
Public Info Code: Y 14-MAY-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5020 / 4953	DEF AT first sample examined	DEF AT 4
5021 / 4954	DEF IN drilling material	DEF AT 4
5080 / 5005	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6880 / 6166	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7300 / 6435	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8050 / 6905	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
8560 / 7239	DEF IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8620 / 7279	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9040 / 7553	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 5
9190 / 7649	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9220 / 7668	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9399 / 7783	DEF AT anhydrite	DEF AT 5
9400 / 7783	DEF AT domal material	DEF AT 5
9464 / 7824	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 370	Date of Summary: 18-APR-1990	First Sample Examined: 5020
Lease Number: G09601	Source of Paleo: OPERATOR	Borehole MD: 9464
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7811
API Well Number: 177104131001	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 68
Paleo Report Num: 2 of 2	Sample Range: 5020 - 9464	Water Depth: 391
Public Info Code: Y 14-MAY-2000	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5020 / 4953	DEF AT first sample examined	DEF AT
5110 / 5031	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6040 / 5657	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6730 / 6072	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7450 / 6529	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9070 / 7573	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9464 / 7824	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 371	<b>Date of Summary:</b> 21-NOV-1990	<b>First Sample Examined:</b> 2400
<b>Lease Number:</b> G05525	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6292
<b>Well Name:</b> B010	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 5145
<b>API Well Number:</b> 177104132600	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2400 - 6287	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 19-NOV-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2400 / 1939	DEF AT first sample examined	DEF IN 3
3270 / 2416	DEF AT local marker foram increase	DEF IN 3
3690 / 2687	DEF AT local marker foram decrease	DEF IN 3
4200 / 3116	POS AT local marker deep water fauna	DEF AT 4
4380 / 3284	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4710 / 3601	DEF AT local marker foram decrease	DEF AT 4
6287 / 5140	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EI 371	<b>Date of Summary:</b> 21-NOV-1990	<b>First Sample Examined:</b> 2400
<b>Lease Number:</b> G05525	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6292
<b>Well Name:</b> B010	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 5145
<b>API Well Number:</b> 177104132600	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2400 - 6287	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 19-NOV-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2400 / 1939	DEF AT first sample examined	DEF AT
2940 / 2232	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3420 / 2506	DEF AT local marker floral increase	DEF AT
3510 / 2563	DEF AT local marker floral decrease	DEF AT
5040 / 3922	DEF AT local marker floral increase	DEF AT
5220 / 4097	DEF AT local marker floral decrease	DEF AT
5940 / 4801	DEF AT local marker floral increase	DEF AT
6030 / 4889	DEF AT local marker floral decrease	DEF AT
6287 / 5140	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 371	Date of Summary: 21-NOV-1990	First Sample Examined: 2200
Lease Number: G05525	Source of Paleo: OPERATOR	Borehole MD: 5790
Well Name: B010	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 4671
API Well Number: 177104132601	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 128
Paleo Report Num: 1 of 2	Sample Range: 2200 - 5790	Water Depth: 420
Public Info Code: Y 25-NOV-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2200 / 1829	DEF AT first sample examined	DEF AT 3
3070 / 2441	DEF AT local marker foram increase	DEF AT 3
3160 / 2508	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 3
3730 / 2951	DEF AT local marker foram increase	DEF AT 3
4030 / 3199	DEF AT - - - - -	DEF AT 4
4090 / 3249	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4960 / 3972	DEF AT local marker foram increase	DEF AT 4
5380 / 4325	DEF AT local marker foram decrease	DEF AT 4
5790 / 4671	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 371	Date of Summary: 21-NOV-1990	First Sample Examined: 2200
Lease Number: G05525	Source of Paleo: OPERATOR	Borehole MD: 5790
Well Name: B010	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 4671
API Well Number: 177104132601	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 128
Paleo Report Num: 2 of 2	Sample Range: 2200 - 5790	Water Depth: 420
Public Info Code: Y 25-NOV-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2200 / 1829	DEF AT first sample examined	DEF AT
3010 / 2396	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5790 / 4671	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 371	<b>Date of Summary:</b> 07-JAN-1991	<b>First Sample Examined:</b> 2400
<b>Lease Number:</b> G05525	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10158
<b>Well Name:</b> B012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7794
<b>API Well Number:</b> 177104132900	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2400 - 10158	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 29-DEC-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2400 / 2198	DEF AT first sample examined	POS AT 3
2401 / 2199	DEF IN cement	POS AT 3
2460 / 2241	DEF AT faunal change (no faunal increase)	DEF AT 3
2700 / 2411	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3060 / 2672	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 4
3870 / 3260	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4530 / 3734	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
9480 / 7268	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10158 / 7794	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 371	<b>Date of Summary:</b> 08-JAN-1991	<b>First Sample Examined:</b> 2400
<b>Lease Number:</b> G05525	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10158
<b>Well Name:</b> B012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7794
<b>API Well Number:</b> 177104132900	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2400 - 10158	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 29-DEC-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2400 / 2198	DEF AT first sample examined	DEF AT
3300 / 2844	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4560 / 3756	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9660 / 7405	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10158 / 7794	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 371	Date of Summary: 07-JAN-1991	First Sample Examined: 7140
Lease Number: G05525	Source of Paleo: OPERATOR	Borehole MD: 10288
Well Name: B012	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8001
API Well Number: 177104132901	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 128
Paleo Report Num: 1 of 2	Sample Range: 7140 - 10288	Water Depth: 420
Public Info Code: Y 16-JAN-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7140 / 5562	DEF AT first sample examined	DEF IN 4
9120 / 7073	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9870 / 7669	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "A")	DEF AT 5
10287 / 8000	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10288 / 8001	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 371	<b>Date of Summary:</b> 08-JAN-1991	<b>First Sample Examined:</b> 7140
<b>Lease Number:</b> G05525	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10288
<b>Well Name:</b> B012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8001
<b>API Well Number:</b> 177104132901	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7140 - 10288	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 16-JAN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7140 / 5562	DEF AT first sample examined	DEF AT
9930 / 7716	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10288 / 8001	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 371	Date of Summary: 31-MAY-1991	First Sample Examined: 2400
Lease Number: G09601	Source of Paleo: OPERATOR	Borehole MD: 9463
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 3310
API Well Number: 177104132800	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 2400 - 9450	Water Depth: 420
Public Info Code: Y 16-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2400 / 1998	DEF AT first sample examined	DEF IN 3
5130 / 2516	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8120 / 3078	DEF AT sample gap top	POS IN 3
9000 / 3149	DEF AT sample gap bottom	DEF IN 3
9450 / 3303	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 376	Date of Summary: 05-MAR-1998	First Sample Examined: 1500
Lease Number: G15266	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16995
API Well Number: 177104148500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 1500 - 17010	Water Depth: 325
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT first sample examined	DEF AT 3
3210 / 3210	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6120 / 6120	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
6270 / 6269	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
7950 / 7949	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10110 /10109	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11880 /11879	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
14130 /14129	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
16290 /16286	DEF AT faunal change (no faunal increase)	DEF AT 5
16980 /16975	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17010 /	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 376	Date of Summary: 05-MAR-1998	First Sample Examined: 1500
Lease Number: G15266	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16995
API Well Number: 177104148500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 1500 - 17010	Water Depth: 325
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT first sample examined	DEF AT
1560 / 1560	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2430 / 2430	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3870 / 3870	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6120 / 6120	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6270 / 6269	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7950 / 7949	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11010 /11009	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11820 /11819	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11880 /11879	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14100 /14099	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17010 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 384	Date of Summary: 11-AUG-1987	First Sample Examined: 4650
Lease Number: G02329	Source of Paleo: OPERATOR	Borehole MD: 13300
Well Name: A011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12954
API Well Number: 177104121700	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4650 - 13300	Water Depth: 430
Public Info Code: Y 30-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4650 / 4646	DEF AT first sample examined	DEF IN 2
4800 / 4796	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4980 / 4976	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5160 / 5154	DEF AT local marker benthic foram increase	DEF AT 4
5250 / 5242	DEF AT pyrite	DEF AT 4
5430 / 5415	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
6150 / 6095	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
7290 / 7185	DEF AT local marker deep water fauna	DEF AT 5
7920 / 7789	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9690 / 9478	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11970 /11679	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12089 /11794	DEF AT pyrite	DEF AT 5
12090 /11794	POS IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
12420 /12113	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
12750 /12430	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
13010 /12678	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
13130 /12792	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13160 /12821	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
13229 /12887	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
13230 /12887	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13300 /12954	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 384	Date of Summary: 01-JUL-1992	First Sample Examined: 3050
Lease Number: G03159	Source of Paleo: OPERATOR	Borehole MD: 11250
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9566
API Well Number: 177104082501	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 3050 - 11251	Water Depth: 431
Public Info Code: Y 01-OCT-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3050 / 2950	DEF AT first sample examined	DEF IN 3
3290 / 3147	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
7370 / 6457	DEF AT poor sample interval top	DEF IN 3
8510 / 7367	DEF AT poor sample interval bottom	DEF IN 3
9200 / 7932	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 3
9470 / 8152	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 3
9680 / 8322	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
9770 / 8395	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9830 / 8445	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
11251 / 9567	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 384	Date of Summary: 01-JUL-1992	First Sample Examined: 3050
Lease Number: G03159	Source of Paleo: OPERATOR	Borehole MD: 11250
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9566
API Well Number: 177104082501	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 3050 - 11251	Water Depth: 431
Public Info Code: Y 01-OCT-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3050 / 2950	DEF AT first sample examined	DEF AT
3230 / 3099	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9529 / 8200	DEF AT local marker floral increase	DEF AT
9530 / 8201	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9680 / 8322	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9710 / 8346	DEF AT local marker floral decrease	DEF AT
9800 / 8420	DEF AT local marker floral increase	DEF AT
11251 / 9567	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 384	Date of Summary: 10-DEC-1990	First Sample Examined: 1530
Lease Number: G03159	Source of Paleo: OPERATOR	Borehole MD: 12285
Well Name: A015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8892
API Well Number: 177104130300	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 110
Paleo Report Num: 1 of 2	Sample Range: 1530 - 8700	Water Depth: 430
Public Info Code: Y 11-DEC-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1530 / 1527	DEF AT first sample examined	POS AT 3
1531 / 1528	DEF IN cement	POS AT 3
1740 / 1737	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
3030 / 2920	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
3360 / 3160	DEF AT local marker deep water fauna	DEF AT 4
3780 / 3433	DEF AT faunal change (no faunal increase)	DEF AT 3
3900 / 3514	DEF AT sample gap top	POS AT 3
4579 / 3971	DEF AT sample gap bottom	DEF AT 3
4830 / 4141	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5211 / 4383	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6632 / 5274	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
6640 / 5278	DEF AT local marker foram decrease	DEF AT 4
6702 / 5314	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
6799 / 5373	DEF AT sample gap top	POS AT 4
6890 / 5428	DEF AT sample gap bottom	DEF AT 4
7754 / 5968	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
8700 / 6583	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 384	Date of Summary: 10-DEC-1990	First Sample Examined: 1530
Lease Number: G03159	Source of Paleo: OPERATOR	Borehole MD: 12285
Well Name: A015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8892
API Well Number: 177104130300	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 110
Paleo Report Num: 2 of 2	Sample Range: 1530 - 8700	Water Depth: 430
Public Info Code: Y 11-DEC-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1530 / 1527	DEF AT first sample examined	DEF AT
1710 / 1707	DEF AT local marker floral increase	DEF AT
1800 / 1796	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
1830 / 1826	DEF AT local marker floral decrease	DEF AT
2340 / 2322	DEF AT local marker floral increase	DEF AT
2490 / 2461	DEF AT local marker floral decrease	DEF AT
3390 / 3180	DEF AT local marker floral increase	DEF AT
3420 / 3199	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
3720 / 3393	DEF AT local marker floral decrease	DEF AT
3900 / 3514	DEF AT sample gap top	DEF AT
4670 / 4033	DEF AT sample gap bottom	DEF AT
6659 / 5289	DEF AT local marker floral increase	DEF AT
6660 / 5290	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
6840 / 5398	DEF AT local marker floral decrease	DEF AT
8700 / 6583	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 384	<b>Date of Summary:</b> 10-DEC-1990	<b>First Sample Examined:</b> 8540
<b>Lease Number:</b> G03159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12458
<b>Well Name:</b> A015	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8775
<b>API Well Number:</b> 177104130301	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 8540 - 12260	<b>Water Depth:</b> 430
<b>Public Info Code:</b> Y 11-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sidetrack 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8540 / 6466	DEF AT first sample examined	DEF AT 4
9440 / 7019	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10400 / 7576	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11330 / 8141	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12260 / 8667	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 384	<b>Date of Summary:</b> 10-DEC-1990	<b>First Sample Examined:</b> 8540
<b>Lease Number:</b> G03159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12458
<b>Well Name:</b> A015	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8775
<b>API Well Number:</b> 177104130301	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 8540 - 12260	<b>Water Depth:</b> 430
<b>Public Info Code:</b> Y 11-JAN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report for sidetrack 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8540 / 6466	DEF AT first sample examined	DEF AT
9410 / 7002	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10430 / 7594	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12260 / 8667	DEF AT last sample examined	DEF AT



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End Date: 01-DEC-2016

<b>Area Block:</b> EI 384	<b>Date of Summary:</b> 10-DEC-1990	<b>First Sample Examined:</b> 9260
<b>Lease Number:</b> G03159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12458
<b>Well Name:</b> A015	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8775
<b>API Well Number:</b> 177104130301	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 9260 - 12575	<b>Water Depth:</b> 430
<b>Public Info Code:</b> Y 11-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Sidetrack 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9260 / 6917	DEF AT first sample examined	DEF IN 4
9261 / 6918	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF IN 4
9470 / 7036	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9890 / 7276	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10640 / 7722	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10790 / 7816	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11870 / 8446	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12575 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 384	<b>Date of Summary:</b> 10-DEC-1990	<b>First Sample Examined:</b> 9260
<b>Lease Number:</b> G03159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12458
<b>Well Name:</b> A015	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8775
<b>API Well Number:</b> 177104130301	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 9260 - 12575	<b>Water Depth:</b> 430
<b>Public Info Code:</b> Y 11-JAN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Calcareous nannofossil report for sidetrack 2, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9260 / 6917	DEF AT first sample examined	DEF AT
9710 / 7172	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10610 / 7704	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12575 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 385	Date of Summary: 05-MAR-2001	First Sample Examined: 1740
Lease Number: G02329	Source of Paleo: OPERATOR	Borehole MD: 4897
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 4896
API Well Number: 177104151800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 1740 - 4830	Water Depth: 315
Public Info Code: Y 30-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1740 / 1740	DEF AT first sample examined	DEF AT 2
1860 / 1860	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 3
2040 / 2040	DEF AT -----	DEF AT 2
2160 / 2160	DEF AT -----	DEF AT 1
2310 / 2310	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 1
2610 / 2610	DEF AT -----	DEF AT 2
2640 / 2640	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
2670 / 2670	DEF AT -----	DEF AT 3
2730 / 2730	DEF AT out-of-place section	DEF AT 5
2880 / 2880	DEF IN out-of-place section	DEF AT 5
4830 / 4829	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 385	Date of Summary: 05-MAR-2001	First Sample Examined: 4470
Lease Number: G02329	Source of Paleo: OPERATOR	Borehole MD: 17626
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 17603
API Well Number: 177104151801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4470 - 17520	Water Depth: 315
Public Info Code: Y 30-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4470 / 4469	DEF AT first sample examined	POS AT 4
4471 / 4470	DEF AT out-of-place section	POS AT 4
4890 / 4889	DEF AT - - - - -	DEF AT 5
4891 / 4890	DEF AT out-of-place section	DEF AT 5
4950 / 4949	DEF AT salt	DEF AT 5
5220 / 5218	DEF AT - - - - -	POS AT 5
8249 / 8237	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12536 /12516	DEF AT base of salt	POS AT 5
12539 /12519	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12540 /12520	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
12541 /12521	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
12660 /12640	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
12690 /12670	DEF AT - - - - -	DEF AT 5
12870 /12850	DEF AT reworked material	DEF AT 5
13590 /13569	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
13890 /13869	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
14070 /14049	DEF AT - - - - -	DEF AT 4
15750 /15729	DEF AT - - - - -	DEF AT 5
16380 /16359	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
16381 /16360	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
17520 /17499	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 385	Date of Summary: 05-MAR-2001	First Sample Examined: 4470
Lease Number: G02329	Source of Paleo: OPERATOR	Borehole MD: 17626
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 17603
API Well Number: 177104151801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 108
Paleo Report Num: 2 of 2	Sample Range: 4470 - 17520	Water Depth: 315
Public Info Code: Y 30-MAY-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4470 / 4469	DEF AT first sample examined	DEF AT
4471 / 4470	DEF IN out-of-place section	DEF AT
4950 / 4949	DEF AT salt	DEF AT
12210 /12191	DEF AT gray shale	DEF AT
12540 /12520	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12541 /12521	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12570 /12550	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12660 /12640	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12870 /12850	DEF AT out-of-place section	DEF AT
13110 /13090	DEF AT out-of-place section	DEF AT
13590 /13569	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16380 /16359	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17520 /17499	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 385	Date of Summary: 05-MAR-2001	First Sample Examined: 17340
Lease Number: G02329	Source of Paleo: OPERATOR	Borehole MD: 19930
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 19897
API Well Number: 177104151802	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 17340 - 19890	Water Depth: 315
Public Info Code: Y 30-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17340 /17310	DEF AT first sample examined	DEF AT 5
17341 /17311	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
17460 /17430	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
18240 /18208	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
18540 /18508	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
18570 /18538	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
18690 /18657	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
18780 /18747	DEF IN Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 5
18900 /18867	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
19350 /19316	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
19410 /19376	DEF IN Upper Miocene (Tortonian) Catinaster calyculus	DEF AT 5
19470 /19436	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
19800 /19761	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
19890 /19849	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 1700
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 9730
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9730
API Well Number: 177104149000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 1700 - 9620	Water Depth: 380
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Kilauea Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1700 / 1700	DEF AT first sample examined	DEF AT 4
1701 / 1701	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
2060 / 2060	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
3500 / 3500	DEF AT local marker foram increase	DEF AT 3
3770 / 3770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4130 / 4130	DEF AT local marker planktic foram increase	DEF AT 3
4760 / 4760	DEF AT local marker benthic foram increase	DEF AT 3
6650 / 6650	DEF AT local marker benthic foram increase	DEF AT 4
6830 / 6830	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
6920 / 6920	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9079 / 9078	DEF AT local marker planktic foram increase	DEF AT 4
9080 / 9079	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9350 / 9349	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9620 / 9619	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 1700
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 9730
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9730
API Well Number: 177104149000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 1700 - 9620	Water Depth: 380
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: N	Paleo ID: 003

Remark: Kilauea Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1700 / 1700	DEF AT first sample examined	DEF AT
2240 / 2240	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6650 / 6650	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8990 / 8989	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9620 / 9619	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 9620
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 17220
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17200
API Well Number: 177104149001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 9620 - 17219	Water Depth: 377
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Kilauea Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9620 / 9619	DEF AT first sample examined	DEF AT 4
9621 / 9620	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10070 /10069	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10610 /10609	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 5
11360 /11359	DEF AT pyrite	DEF AT 5
11390 /11389	DEF IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11869 /11868	DEF AT Cyclamina cancellata (local marker)	DEF AT 5
11870 /11869	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11900 /11899	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11960 /11959	DEF AT local marker planktic foram increase	DEF AT 5
11988 /11987	DEF AT Bathysiphon fauna	DEF AT 5
11989 /11988	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
11990 /11989	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
13850 /13848	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
13910 /13908	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13940 /13938	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
14000 /13998	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 5
14070 /14068	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
14219 /14217	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
14220 /14218	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15770 /15762	DEF AT Bathysiphon fauna	DEF AT 5
16190 /16179	DEF AT sample gap top	POS AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EI 390	<b>Date of Summary:</b> 26-JUN-1998	<b>First Sample Examined:</b> 9620
<b>Lease Number:</b> G14487	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17220
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17200
<b>API Well Number:</b> 177104149001	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9620 - 17219	<b>Water Depth:</b> 377
<b>Public Info Code:</b> Y 16-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16334 /16322	DEF AT sample gap bottom	DEF AT 5
16610 /16596	DEF AT Eggerella sp. (local marker)	DEF AT 5
17000 /16982	DEF AT Eggerella 3 (local marker)	DEF AT 5
17150 /17130	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
17210 /17190	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
17219 /17199	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 9620
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 17220
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17200
API Well Number: 177104149001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 9620 - 17219	Water Depth: 377
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Kilauea Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9620 / 9619	DEF AT first sample examined	DEF AT
10850 /10849	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11390 /11389	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11900 /11899	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11930 /11929	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13910 /13908	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16190 /16179	DEF AT sample gap top	DEF AT
16334 /16322	DEF AT sample gap bottom	DEF AT
16700 /16685	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17150 /17130	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17219 /17199	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 391	Date of Summary: 22-JUN-2006	First Sample Examined: 7990
Lease Number: G22688	Source of Paleo: OPERATOR	Borehole MD: 11248
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11000
API Well Number: 177104160200	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 7990 - 11248	Water Depth: 398
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7990 / 7989	DEF AT first sample examined	DEF AT 4
7991 / 7990	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
8320 / 8313	DEF AT reworked material	DEF AT 4
9010 / 8957	DEF AT - - - - -	DEF AT 3
9940 / 9790	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
10120 / 9958	DEF AT reworked material	DEF AT 3
10390 /10210	DEF AT - - - - -	DEF AT 4
10420 /10238	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10480 /10293	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11248 /10999	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EI 395	Date of Summary: 30-NOV-2001	First Sample Examined: 0
Lease Number: G21649	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10118
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6744
API Well Number: 177104153500	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 525
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9550 / 6362	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 658	<b>Date of Summary:</b> 05-NOV-2003	<b>First Sample Examined:</b> 2700
<b>Lease Number:</b> G18162	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14274
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14266
<b>API Well Number:</b> 608105009700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2700 - 15000	<b>Water Depth:</b> 493
<b>Public Info Code:</b> Y 02-SEP-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2700 / 2700	DEF AT first sample examined	DEF AT 5
2880 / 2880	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
2970 / 2970	DEF AT -----	DEF AT 4
3690 / 3690	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4140 / 4140	DEF AT -----	DEF AT 5
4410 / 4409	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5040 / 5039	DEF AT -----	DEF IN 5
5580 / 5579	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5700 / 5699	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5790 / 5789	DEF AT -----	DEF AT 5
6510 / 6509	DEF AT -----	DEF IN 5
6570 / 6569	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6720 / 6719	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
7110 / 7109	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7230 / 7229	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
7260 / 7259	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7470 / 7469	DEF AT -----	DEF AT 5
8520 / 8519	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9540 / 9539	DEF AT -----	DEF AT 4
10500 / 10498	DEF AT -----	DEF AT 5
13200 / 13195	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
13350 / 13344	DEF AT salt	POS IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 658	<b>Date of Summary:</b> 05-NOV-2003	<b>First Sample Examined:</b> 2700
<b>Lease Number:</b> G18162	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14274
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14266
<b>API Well Number:</b> 608105009700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2700 - 15000	<b>Water Depth:</b> 493
<b>Public Info Code:</b> Y 02-SEP-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13494	DEF AT -----	POS AT 6
13590 /13584	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13650 /13644	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13770 /13763	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
13980 /13973	DEF AT -----	DEF IN 5
14220 /14212	DEF AT -----	DEF AT 5
14490 /	DEF AT -----	DEF AT 6
14550 /	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
14670 /	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
14730 /	DEF AT -----	DEF AT 5
14820 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
15000 /	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 658	Date of Summary: 05-NOV-2003	First Sample Examined: 2700
Lease Number: G18162	Source of Paleo: OPERATOR	Borehole MD: 14274
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14266
API Well Number: 608105009700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 2700 - 15000	Water Depth: 493
Public Info Code: Y 02-SEP-2004	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2700 / 2700	DEF AT first sample examined	DEF AT
4320 / 4320	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5130 / 5129	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5580 / 5579	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5700 / 5699	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6510 / 6509	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6600 / 6599	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6840 / 6839	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7110 / 7109	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7140 / 7139	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7230 / 7229	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9120 / 9119	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10770 /10768	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13350 /13344	DEF AT salt	DEF AT
13499 /13493	DEF IN salt	DEF AT
13500 /13494	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13530 /13524	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13560 /13554	DEF AT base of salt	DEF AT
13620 /13614	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13770 /13763	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13830 /13823	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13890 /13883	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 658	<b>Date of Summary:</b> 05-NOV-2003	<b>First Sample Examined:</b> 2700
<b>Lease Number:</b> G18162	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14274
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14266
<b>API Well Number:</b> 608105009700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2700 - 15000	<b>Water Depth:</b> 493
<b>Public Info Code:</b> Y 02-SEP-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14490 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14550 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14700 /	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14820 /	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14970 /	POS AT salt	DEF AT
15000 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 826  
 Lease Number: G05800  
 Well Name: A005  
 API Well Number: 608105001300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 04-JUL-2000

Date of Summary: 21-AUG-1990  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: BP Exploration (Alaska) Inc.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 15165  
 Borehole TVD: 13079  
 Rkb Elevation: 135  
 Water Depth: 481  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11220 / 9931	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
14310 /12415	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
14415 /12503	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
14955 /12928	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 826	Date of Summary: 31-DEC-1993	First Sample Examined: 9750
Lease Number: G05800	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 13723
API Well Number: 608105002000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 9750 - 16765	Water Depth: 481
Public Info Code: Y 27-NOV-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9750 / 8340	DEF AT first sample examined	DEF AT
9751 / 8341	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
9930 / 8483	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10470 / 8915	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
11400 / 9665	DEF AT local marker foram increase	DEF AT
11580 / 9811	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11700 / 9908	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11758 / 9955	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
14610 /12255	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15390 /12797	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
15480 /12857	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15810 /13078	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16380 /13465	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16440 /13506	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
16500 /13546	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
16560 /13586	DEF AT floral flood	DEF AT
16575 /13596	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT
16590 /13606	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16619 /13626	DEF AT floral flood	DEF AT
16620 /13626	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16635 /13636	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
16680 /13666	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 826	<b>Date of Summary:</b> 31-DEC-1993	<b>First Sample Examined:</b> 9750
<b>Lease Number:</b> G05800	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16765
<b>Well Name:</b> A007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13723
<b>API Well Number:</b> 608105002000	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 135
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9750 - 16765	<b>Water Depth:</b> 481
<b>Public Info Code:</b> Y 27-NOV-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16765 /13723	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 826	<b>Date of Summary:</b> 27-JAN-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05800	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17054
<b>Well Name:</b> A009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12601
<b>API Well Number:</b> 608105002800	<b>Drilling Operator:</b> BP OIL CORPORATION	<b>Rkb Elevation:</b> 135
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 481
<b>Public Info Code:</b> Y 22-FEB-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11490 / 9620	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13230 /10556	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
14610 /11286	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
15960 /12024	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16680 /12402	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 826	<b>Date of Summary:</b> 29-JUL-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05800	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16640
<b>Well Name:</b> A013	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12828
<b>API Well Number:</b> 608105003000	<b>Drilling Operator:</b> BP OIL CORPORATION	<b>Rkb Elevation:</b> 134
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 481
<b>Public Info Code:</b> Y 05-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15230 /11863	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
15590 /12115	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16070 /12438	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16250 /12561	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 826	<b>Date of Summary:</b> 19-NOV-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05800	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11611
<b>Well Name:</b> A016	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10877
<b>API Well Number:</b> 608105002100	<b>Drilling Operator:</b> BP OIL CORPORATION	<b>Rkb Elevation:</b> 135
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 481
<b>Public Info Code:</b> Y 06-OCT-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9360 / 9297	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11100 /10540	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11430 /10757	DEF AT caprock	DEF AT
11459 /10777	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11460 /10777	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11475 /10787	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 827  
Lease Number: G18165  
Well Name: 001  
API Well Number: 608105008500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-JUL-2002

Date of Summary: 01-MAY-1998  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: EOG RESOURCES INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 12626  
Borehole TVD: 11898  
Rkb Elevation: 84  
Water Depth: 634  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11920 /11288	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11921 /11288	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11950 /11314	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12010 /11366	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12580 /11856	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12581 /11857	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 834	Date of Summary: 26-AUG-1998	First Sample Examined: 4980
Lease Number: G18168	Source of Paleo: OPERATOR	Borehole MD: 9514
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9500
API Well Number: 608105008900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4980 - 9514	Water Depth: 1105
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Hummingbird Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4980 / 4980	DEF AT first sample examined	DEF AT 4
5010 / 5010	DEF AT -----	DEF AT 4
5190 / 5190	DEF AT -----	DEF AT 4
5220 / 5220	DEF AT -----	DEF AT 4
5340 / 5340	DEF AT -----	DEF AT 4
5640 / 5640	DEF AT -----	DEF AT 4
5700 / 5700	DEF AT -----	DEF AT 4
5730 / 5730	DEF AT local marker foram increase	DEF AT 4
5760 / 5760	DEF AT local marker foram increase	DEF AT 4
5850 / 5850	DEF AT -----	DEF AT 4
5880 / 5880	DEF AT -----	DEF AT 4
6030 / 6030	DEF AT -----	DEF AT 4
6090 / 6090	DEF AT local marker foram increase	DEF AT 4
6240 / 6240	DEF AT -----	DEF AT 5
6300 / 6300	DEF AT sample gap top	DEF AT 5
6360 / 6360	DEF AT sample gap bottom	DEF AT 5
6390 / 6390	DEF AT sample gap top	DEF AT 5
6420 / 6420	DEF AT sample gap bottom	DEF AT 5
6480 / 6480	DEF AT -----	DEF AT 4
6630 / 6630	DEF AT sample gap top	DEF AT 4
6660 / 6660	DEF AT sample gap bottom	DEF AT 4
6690 / 6690	DEF AT -----	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 834	Date of Summary: 26-AUG-1998	First Sample Examined: 4980
Lease Number: G18168	Source of Paleo: OPERATOR	Borehole MD: 9514
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9500
API Well Number: 608105008900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4980 - 9514	Water Depth: 1105
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6780 / 6780	DEF AT drilling material	POS AT 4
6810 / 6810	DEF AT -----	DEF AT 4
6960 / 6960	DEF AT -----	POS AT 4
6990 / 6990	DEF AT transported shelf fauna	DEF AT 4
7020 / 7020	DEF AT sample gap top	DEF AT 4
7079 / 7079	DEF AT sample gap bottom	DEF AT 4
7080 / 7080	DEF AT transported shelf fauna	DEF AT 4
7110 / 7110	DEF AT -----	DEF AT 5
7500 / 7498	DEF AT local marker foram increase	DEF AT 5
7920 / 7911	DEF AT sample gap top	DEF AT 5
7950 / 7940	DEF AT sample gap bottom	DEF AT 5
8100 / 8088	DEF AT -----	DEF AT 5
8130 / 8118	DEF AT -----	POS AT 5
8250 / 8237	DEF AT sample gap top	DEF AT 5
8310 / 8297	DEF AT sample gap bottom	DEF AT 5
8340 / 8327	DEF AT sample gap top	DEF AT 5
8370 / 8357	DEF AT sample gap bottom	DEF AT 5
8371 / 8358	DEF AT local marker foram increase	DEF AT 5
8460 / 8447	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8490 / 8477	DEF AT sample gap top	DEF AT 5
8520 / 8507	DEF AT sample gap bottom	DEF AT 5
8530 / 8517	DEF AT sample gap top	DEF AT 5
8600 / 8587	DEF AT sample gap bottom	DEF AT 5
8601 / 8588	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 834	<b>Date of Summary:</b> 26-AUG-1998	<b>First Sample Examined:</b> 4980
<b>Lease Number:</b> G18168	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9514
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 9500
<b>API Well Number:</b> 608105008900	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4980 - 9514	<b>Water Depth:</b> 1105
<b>Public Info Code:</b> Y 30-JUN-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8620 / 8607	DEF AT sample gap top	DEF AT 5
8630 / 8617	DEF AT sample gap bottom	DEF AT 5
8690 / 8677	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8710 / 8697	DEF AT sample gap top	POS AT 5
8730 / 8717	DEF AT sample gap bottom	POS AT 5
8840 / 8827	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9120 / 9107	DEF AT sample gap top	DEF AT 5
9160 / 9147	DEF AT sample gap bottom	DEF AT 5
9230 / 9217	DEF AT -----	DEF AT 5
9290 / 9276	DEF AT -----	DEF AT 5
9370 / 9356	DEF AT drilling material	DEF AT 5
9514 / 9500	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 04-MAR-1991	<b>First Sample Examined:</b> 3537
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13881
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13878
<b>API Well Number:</b> 608105002600	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3537 - 13881	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 23-MAR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3537 / 3537	DEF AT first sample examined	DEF AT
3620 / 3620	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5300 / 5300	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6110 / 6110	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6260 / 6260	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6320 / 6320	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6560 / 6560	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7370 / 7370	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11080 /11079	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12650 /12648	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13881 /13878	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 873  
Lease Number: G12136  
Well Name: A001  
API Well Number: 608105002600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 23-MAR-2001

Date of Summary: 05-MAR-1991  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: MARATHON OIL COMPANY  
Sample Range: 3537 - 13881  
Ecozone Eq MMS: Y

First Sample Examined: 3537  
Borehole MD: 13881  
Borehole TVD: 13878  
Rkb Elevation: 82  
Water Depth: 773  
Paleo ID: 003

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3537 / 3537	DEF AT first sample examined	DEF IN 5
3710 / 3710	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
3860 / 3860	DEF AT -----	DEF AT 4
4880 / 4880	DEF AT -----	DEF IN 5
5300 / 5300	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6260 / 6260	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6350 / 6350	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7460 / 7460	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11020 /11019	DEF AT -----	DEF AT 6
11050 /11049	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13881 /13878	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 03-APR-1991	<b>First Sample Examined:</b> 9745
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12362
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11540
<b>API Well Number:</b> 608105002601	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 9745 - 12320	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 15-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9745 / 9744	DEF AT first sample examined	DEF IN 5
9746 / 9745	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12320 /11518	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 03-APR-1991	<b>First Sample Examined:</b> 9745
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12362
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11540
<b>API Well Number:</b> 608105002601	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 9745 - 12320	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 15-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report for sidetrack

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9745 / 9744	DEF AT first sample examined	DEF AT
9746 / 9745	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12320 /11518	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 03-APR-1991	<b>First Sample Examined:</b> 12290
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12362
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11540
<b>API Well Number:</b> 608105002601	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 12290 - 12350	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 15-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Bypass 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12290 /11503	DEF AT first sample examined	DEF IN 5
12291 /11503	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12350 /11534	DEF AT last sample examined	DEF IN 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 03-APR-1991	<b>First Sample Examined:</b> 12290
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12362
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11540
<b>API Well Number:</b> 608105002601	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 12290 - 12350	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 15-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report for bypass 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12290 /11503	DEF AT first sample examined	DEF AT
12291 /11503	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12350 /11534	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 03-APR-1991	<b>First Sample Examined:</b> 12080
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13062
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12277
<b>API Well Number:</b> 608105002602	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12080 - 13085	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 29-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Bypass 3

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12080 /11606	DEF AT first sample examined	DEF IN 5
12590 /11975	DEF AT - - - - -	DEF AT 6
12860 /12174	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13085 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 03-APR-1991	<b>First Sample Examined:</b> 12080
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13062
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12277
<b>API Well Number:</b> 608105002602	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12080 - 13085	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 29-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report for bypass 3

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12080 /11606	DEF AT first sample examined	DEF AT
12530 /11932	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13085 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 01-MAY-2002	<b>First Sample Examined:</b> 6142
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11919
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9805
<b>API Well Number:</b> 608105002603	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6142 - 11919	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 23-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6142 / 6142	DEF AT first sample examined	DEF AT 5
6370 / 6368	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6400 / 6397	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6550 / 6544	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
7420 / 7331	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10540 / 9095	DEF AT - - - - -	DEF AT 6
10750 / 9192	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11919 / 9805	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 01-MAY-2002	<b>First Sample Examined:</b> 6142
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11919
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9805
<b>API Well Number:</b> 608105002603	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6142 - 11919	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 23-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6142 / 6142	DEF AT first sample examined	DEF AT
6370 / 6368	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6400 / 6397	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6670 / 6660	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7270 / 7206	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7420 / 7331	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10600 / 9123	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11319 / 9452	POS AT reworked material	DEF AT
11320 / 9453	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11919 / 9805	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 27-MAY-2002	<b>First Sample Examined:</b> 8404
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11970
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10527
<b>API Well Number:</b> 608105002604	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8404 - 11888	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 30-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8404 / 8009	DEF AT first sample examined	DEF AT 5
8405 / 8009	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10260 / 9198	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11888 /10464	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 27-MAY-2002	<b>First Sample Examined:</b> 8404
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11970
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10527
<b>API Well Number:</b> 608105002604	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8404 - 11888	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 30-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8404 / 8009	DEF AT first sample examined	DEF AT
8520 / 8064	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10350 / 9265	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11888 /10464	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 05-AUG-1991	<b>First Sample Examined:</b> 4820
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13802
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12606
<b>API Well Number:</b> 608105003200	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 4820 - 6050	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 01-SEP-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Original hole report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4820 / 4693	DEF AT first sample examined	POS AT 4
4821 / 4694	DEF IN cement	POS AT 4
5030 / 4871	DEF AT -----	DEF AT 4
5960 / 5647	DEF AT -----	DEF IN 5
6050 / 5722	DEF AT last sample examined	DEF IN 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 05-AUG-1991	<b>First Sample Examined:</b> 6020
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13802
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12606
<b>API Well Number:</b> 608105003200	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 6020 - 13802	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 01-SEP-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Sidetrack 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 5697	DEF AT first sample examined	DEF IN 5
6110 / 5771	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7280 / 6739	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
7700 / 7088	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7820 / 7188	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9620 / 8735	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
13670 /12474	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
13802 /12606	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 06-AUG-1991	<b>First Sample Examined:</b> 4820
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13802
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12606
<b>API Well Number:</b> 608105003200	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 4820 - 6050	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 01-SEP-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Original hole report, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4820 / 4693	DEF AT first sample examined	DEF AT
5270 / 5074	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6050 / 5722	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 873	Date of Summary: 06-AUG-1991	First Sample Examined: 6020
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 13802
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12606
API Well Number: 608105003200	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 6020 - 13802	Water Depth: 773
Public Info Code: Y 01-SEP-2001	Ecozone Eq MMS:	Paleo ID: 005

**Remark:** Calcareous nannofossil report for sidetrack 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 5697	DEF AT first sample examined	DEF AT
6021 / 5697	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6110 / 5771	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7280 / 6739	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7670 / 7063	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7760 / 7138	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7850 / 7213	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7940 / 7289	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8120 / 7441	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9500 / 8630	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13490 /12295	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13802 /12606	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 27-MAY-2002	<b>First Sample Examined:</b> 10022
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17532
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15999
<b>API Well Number:</b> 608105003202	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10022 - 17530	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 24-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10022 / 9098	DEF AT first sample examined	DEF AT 5
10070 / 9141	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14390 /12887	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
14450 /12945	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
14960 /13447	DEF AT - - - - -	DEF AT 6
16930 /15400	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
17530 /15997	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 27-MAY-2002	<b>First Sample Examined:</b> 10022
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17532
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15999
<b>API Well Number:</b> 608105003202	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10022 - 17530	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 24-APR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10022 / 9098	DEF AT first sample examined	DEF AT
10023 / 9099	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14150 /12665	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16820 /15292	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17530 /15997	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 14-OCT-1991	<b>First Sample Examined:</b> 2400
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13430
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12759
<b>API Well Number:</b> 608105003600	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2400 - 13440	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 06-NOV-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2400 / 2400	DEF AT first sample examined	POS AT 4
2401 / 2401	DEF AT cement	POS AT 4
2730 / 2730	DEF AT -----	DEF AT 4
3570 / 3570	DEF AT -----	DEF IN 5
3900 / 3900	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
4950 / 4950	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5370 / 5365	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6240 / 6181	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6300 / 6234	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7440 / 7211	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10950 /10449	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13260 /12600	DEF AT sample gap top	POS AT 6
13350 /12684	DEF AT sample gap bottom	DEF AT 6
13440 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 02-OCT-1998	<b>First Sample Examined:</b> 11400
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13864
<b>Well Name:</b> A021	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13657
<b>API Well Number:</b> 608105008800	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 153
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11400 - 13854	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 10-AUG-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11295	DEF AT first sample examined	DEF AT 5
11880 /11749	DEF AT - - - - -	DEF AT 6
11910 /11777	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13854 /13647	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 02-OCT-1998	<b>First Sample Examined:</b> 11400
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13864
<b>Well Name:</b> A021	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13657
<b>API Well Number:</b> 608105008800	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 153
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11400 - 13854	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 10-AUG-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11295	DEF AT first sample examined	DEF AT
11940 /11806	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13854 /13647	DEF AT last sample examined	DEF AT



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End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 02-OCT-1998	<b>First Sample Examined:</b> 13650
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17443
<b>Well Name:</b> A021	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17198
<b>API Well Number:</b> 608105008801	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 153
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13650 - 17442	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 22-AUG-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Bypass 1 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13650 /13474	DEF AT first sample examined	DEF AT 6
13651 /13475	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
17442 /17197	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 02-OCT-1998	<b>First Sample Examined:</b> 13650
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17443
<b>Well Name:</b> A021	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17198
<b>API Well Number:</b> 608105008801	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 153
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13650 - 17442	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 22-AUG-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13650 /13474	DEF AT first sample examined	DEF AT
13651 /13475	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15270 /15057	POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17442 /17197	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 873	Date of Summary: 16-NOV-1998	First Sample Examined: 5130
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A023	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11322
API Well Number: 608105009200	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 1 of 2	Sample Range: 5130 - 12515	Water Depth: 773
Public Info Code: Y 01-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5130 / 4709	DEF AT first sample examined	DEF AT 5
5400 / 4933	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6030 / 5437	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6120 / 5507	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6210 / 5577	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7130 / 6304	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
7310 / 6447	DEF AT -----	DEF AT 5
8180 / 7144	DEF AT -----	DEF IN 5
8300 / 7241	DEF AT -----	DEF AT 6
8450 / 7360	DEF AT -----	DEF AT 5
9830 / 8637	DEF AT -----	DEF AT 6
10340 / 9147	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12050 / 10857	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12515 / 11322	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 16-NOV-1998	<b>First Sample Examined:</b> 5130
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12515
<b>Well Name:</b> A023	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11322
<b>API Well Number:</b> 608105009200	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 153
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5130 - 12515	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 01-DEC-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5130 / 4709	DEF AT first sample examined	DEF AT
5220 / 4783	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5400 / 4933	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5850 / 5295	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6030 / 5437	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6120 / 5507	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6390 / 5718	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7220 / 6376	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10340 / 9147	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10940 / 9747	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11840 /10647	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11900 /10707	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12515 /11322	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 27-DEC-2001	<b>First Sample Examined:</b> 9600
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14769
<b>Well Name:</b> A023	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12685
<b>API Well Number:</b> 608105009201	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9600 - 14760	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 30-NOV-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9600 / 8408	DEF AT first sample examined	DEF AT
9870 / 8676	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10080 / 8883	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10410 / 9201	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10650 / 9421	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14760 / 12677	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 27-DEC-2001	<b>First Sample Examined:</b> 9600
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14769
<b>Well Name:</b> A023	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12685
<b>API Well Number:</b> 608105009201	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9600 - 14769	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 30-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9600 / 8408	DEF AT first sample examined	DEF AT 5
9900 / 8706	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9960 / 8765	DEF AT - - - - -	DEF AT 6
10020 / 8824	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10560 / 9340	DEF AT - - - - -	DEF AT 5
14769 / 12685	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 13-JAN-1999	<b>First Sample Examined:</b> 5250
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12517
<b>Well Name:</b> A024	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11666
<b>API Well Number:</b> 608104010200	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 153
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5250 - 12510	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 05-FEB-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5250 / 4898	DEF AT first sample examined	DEF IN 5
5610 / 5222	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6420 / 5937	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9120 / 8343	DEF AT - - - - -	DEF AT 6
9210 / 8422	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10680 / 9831	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11520 /10671	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12150 /11300	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12510 /11659	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 13-JAN-1999	<b>First Sample Examined:</b> 5250
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12517
<b>Well Name:</b> A024	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11666
<b>API Well Number:</b> 608104010200	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 153
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5250 - 12510	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 05-FEB-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 10500=significant consistent reoccurrence, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5250 / 4898	DEF AT first sample examined	DEF AT
5430 / 5061	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5610 / 5222	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
5790 / 5382	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6240 / 5777	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8040 / 7385	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9270 / 8476	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9450 / 8641	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10500 / 9651	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11370 /10521	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12180 /11330	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12510 /11659	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 28-DEC-2001	<b>First Sample Examined:</b> 7870
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9753
<b>Well Name:</b> A024	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9079
<b>API Well Number:</b> 608104010201	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7870 - 9753	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7870 / 7246	DEF AT first sample examined	DEF AT 5
7871 / 7247	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9550 / 8883	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9753 / 9079	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 28-DEC-2001	<b>First Sample Examined:</b> 7870
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9753
<b>Well Name:</b> A024	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9079
<b>API Well Number:</b> 608104010201	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7870 - 9753	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7870 / 7246	DEF AT first sample examined	DEF AT
7871 / 7247	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7990 / 7362	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9550 / 8883	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9753 / 9079	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 28-DEC-2001	<b>First Sample Examined:</b> 9490
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11322
<b>Well Name:</b> A024	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10540
<b>API Well Number:</b> 608104010203	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9490 - 11322	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 31-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9490 / 8816	DEF AT first sample examined	DEF AT 6
9491 / 8817	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11110 /10351	DEF AT - - - - -	DEF AT 5
11322 /10540	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 28-DEC-2001	<b>First Sample Examined:</b> 9490
<b>Lease Number:</b> G12136	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11322
<b>Well Name:</b> A024	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10540
<b>API Well Number:</b> 608104010203	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9490 - 11320	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 31-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9490 / 8816	DEF AT first sample examined	DEF AT
9491 / 8817	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11320 /10538	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 08-MAR-2002	<b>First Sample Examined:</b> 3983
<b>Lease Number:</b> G12139	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19946
<b>Well Name:</b> A012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11734
<b>API Well Number:</b> 608105005103	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3983 - 19946	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 07-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3983 / 3846	DEF AT first sample examined	DEF AT 5
4120 / 3965	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6280 / 5512	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12250 / 8199	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15040 / 9487	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
18670 /11046	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
18760 /11089	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
19690 /11583	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
19750 /11618	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
19840 /11671	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
19946 /11734	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 873	<b>Date of Summary:</b> 08-MAR-2002	<b>First Sample Examined:</b> 3983
<b>Lease Number:</b> G12139	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19946
<b>Well Name:</b> A012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11734
<b>API Well Number:</b> 608105005103	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3983 - 19946	<b>Water Depth:</b> 773
<b>Public Info Code:</b> Y 07-FEB-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3983 / 3846	DEF AT first sample examined	DEF AT
6640 / 5674	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11260 / 7753	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14860 / 9400	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18550 /10991	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18700 /11061	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
19420 /11430	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
19690 /11583	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
19840 /11671	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19946 /11734	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 910	Date of Summary: 15-JUL-1997	First Sample Examined: 4990
Lease Number: G13079	Source of Paleo: OPERATOR	Borehole MD: 14550
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14550
API Well Number: 608105007300	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4990 - 14540	Water Depth: 630
Public Info Code: Y 02-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4990 / 4989	DEF AT first sample examined	POS AT 5
5410 / 5409	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6430 / 6429	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7060 / 7058	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7120 / 7118	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	POS AT 5
8590 / 8586	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8770 / 8766	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9790 / 9785	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10360 /10355	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 5
10450 /10445	DEF AT local marker deep water fauna	DEF IN 5
11139 /11134	DEF AT foram flood	DEF IN 5
11140 /11135	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11200 /11195	DEF AT local marker benthic foram increase	DEF IN 5
11340 /11335	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
11429 /11424	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
11430 /11425	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11580 /11575	DEF AT pyrite	DEF IN 5
11990 /11985	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12320 /12315	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
12980 /12974	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
13220 /13214	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 5
13940 /13934	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 910	<b>Date of Summary:</b> 15-JUL-1997	<b>First Sample Examined:</b> 4990
<b>Lease Number:</b> G13079	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14550
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14550
<b>API Well Number:</b> 608105007300	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4990 - 14540	<b>Water Depth:</b> 630
<b>Public Info Code:</b> Y 02-AUG-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14240 /14234	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
14540 /14534	DEF AT last sample examined	DEF IN 5



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 910	<b>Date of Summary:</b> 15-JUL-1997	<b>First Sample Examined:</b> 2000
<b>Lease Number:</b> G13079	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14550
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14550
<b>API Well Number:</b> 608105007300	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2000 - 14540	<b>Water Depth:</b> 630
<b>Public Info Code:</b> Y 02-AUG-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2000 / 2000	DEF AT first sample examined	DEF AT
2700 / 2700	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
2760 / 2760	DEF AT local marker floral decrease	DEF AT
2880 / 2880	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
2970 / 2970	DEF AT local marker floral decrease	DEF AT
5020 / 5019	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6360 / 6359	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
6450 / 6449	DEF AT local marker floral decrease	DEF AT
6610 / 6609	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7109 / 7107	DEF AT floral flood	DEF AT
7110 / 7108	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7260 / 7258	DEF AT local marker floral decrease	DEF AT
7650 / 7648	POS AT local marker floral increase	DEF AT
7710 / 7708	DEF AT local marker floral decrease	DEF AT
8710 / 8706	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8770 / 8766	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9609 / 9604	DEF AT local marker floral increase	DEF AT
9610 / 9605	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9810 / 9805	DEF AT local marker floral decrease	DEF AT
10390 / 10385	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10420 / 10415	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
10480 / 10475	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 910	<b>Date of Summary:</b> 15-JUL-1997	<b>First Sample Examined:</b> 2000
<b>Lease Number:</b> G13079	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14550
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14550
<b>API Well Number:</b> 608105007300	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2000 - 14540	<b>Water Depth:</b> 630
<b>Public Info Code:</b> Y 02-AUG-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10810 /10805	DEF AT local marker floral increase	DEF AT
11138 /11133	DEF AT foram flood	DEF AT
11139 /11134	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11140 /11135	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11170 /11165	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11430 /11425	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14030 /14024	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14150 /14144	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14540 /14534	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 910	Date of Summary: 15-JAN-1999	First Sample Examined: 0
Lease Number: G13079	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12651
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12640
API Well Number: 608105006300	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 560
Public Info Code: Y 25-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10789 /10780	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 910	<b>Date of Summary:</b> 09-JUN-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13079	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13322
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12701
<b>API Well Number:</b> 608104010300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 148
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 560
<b>Public Info Code:</b> Y 01-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11551 /10932	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 913	Date of Summary: 08-SEP-1999	First Sample Examined: 3800
Lease Number: G16577	Source of Paleo: OPERATOR	Borehole MD: 18100
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18090
API Well Number: 608104010700	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3800 - 18100	Water Depth: 796
Public Info Code: Y 01-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3800 / 3800	DEF AT first sample examined	DEF AT 4
5390 / 5389	DEF AT -----	DEF AT 5
5570 / 5569	DEF AT -----	DEF IN 5
5810 / 5809	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
5930 / 5929	DEF AT -----	DEF AT 5
7370 / 7369	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7670 / 7669	DEF AT -----	DEF AT 5
8150 / 8149	DEF AT -----	DEF IN 5
8180 / 8179	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
8330 / 8329	DEF AT -----	DEF AT 5
9410 / 9409	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9500 / 9499	DEF AT -----	DEF IN 5
10220 /10219	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10310 /10309	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10940 /10939	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11480 /11479	DEF AT -----	DEF AT 5
11690 /11689	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12830 /12829	DEF AT -----	DEF AT 6
12980 /12979	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
14360 /14358	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
16970 /16960	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
18100 /18089	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 913	Date of Summary: 08-SEP-1999	First Sample Examined: 3800
Lease Number: G16577	Source of Paleo: OPERATOR	Borehole MD: 18100
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18090
API Well Number: 608104010700	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3800 - 18100	Water Depth: 796
Public Info Code: Y 01-AUG-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 15020=significant reoccurrence of *Ceratolithus acutus*, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3800 / 3800	DEF AT first sample examined	DEF AT
5420 / 5419	DEF AT Middle Pleistocene (Ionian) <i>Pseudoemiliana lacunosa</i> "B"	DEF AT
7520 / 7519	DEF AT Middle Pleistocene (Ionian) <i>Pseudoemiliana ovata</i>	DEF AT
8180 / 8179	DEF AT Lower Pleistocene (Calabrian) <i>Gephyrocapsa caribbeanica</i> (large)	DEF AT
9410 / 9409	DEF AT Lower Pleistocene (Calabrian) <i>Calcidiscus macintyreii</i>	DEF AT
9710 / 9709	DEF AT Upper Pliocene (Gelasian) <i>Discoaster brouweri</i>	DEF AT
10220 /10219	DEF AT Upper Pliocene (Gelasian) <i>Discoaster brouweri</i> "A"	DEF AT
10250 /10249	DEF AT Upper Pliocene (Gelasian) <i>Discoaster surculus</i>	DEF AT
10310 /10309	DEF AT Upper Pliocene (Piacenzian) <i>Discoaster tamalis</i>	DEF AT
10820 /10819	DEF AT Lower Pliocene (Zanclian) <i>Sphenolithus abies</i>	DEF AT
10880 /10879	DEF AT Lower Pliocene (Zanclian) <i>Reticulofenestra pseudoumbilica</i>	DEF AT
10910 /10909	DEF AT Lower Pliocene (Zanclian) <i>Pseudosphenolithus abies</i> "B" (acme)	DEF AT
11930 /11929	POS AT Lower Pliocene (Zanclian) <i>Sphenolithus abies</i> "B"	DEF AT
13010 /13009	POS AT Lower Pliocene (Zanclian) <i>Amaurolithus tricorniculatus</i>	DEF AT
14090 /14089	POS AT Lower Pliocene (Zanclian) <i>Ceratolithus acutus</i>	DEF AT
17280 /17270	DEF AT Upper Miocene (Messinian) <i>Discoaster quinqueramus</i>	DEF AT
18100 /18089	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 917	<b>Date of Summary:</b> 15-NOV-1996	<b>First Sample Examined:</b> 3630
<b>Lease Number:</b> G12139	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12312
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12311
<b>API Well Number:</b> 608105006500	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3630 - 12312	<b>Water Depth:</b> 1195
<b>Public Info Code:</b> Y 05-DEC-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3630 / 3630	DEF AT first sample examined	DEF AT
6210 / 6210	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8610 / 8610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9690 / 9690	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10980 /10979	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11340 /11339	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11760 /11759	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11790 /11789	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11850 /11849	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12312 /12311	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 917	<b>Date of Summary:</b> 18-NOV-1996	<b>First Sample Examined:</b> 3630
<b>Lease Number:</b> G12139	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12312
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12311
<b>API Well Number:</b> 608105006500	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3630 - 12312	<b>Water Depth:</b> 1195
<b>Public Info Code:</b> Y 05-DEC-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3630 / 3630	DEF AT first sample examined	DEF AT 4
5940 / 5940	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6360 / 6360	DEF AT - - - - -	DEF AT 5
10920 /10919	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
10980 /10979	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11760 /11759	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12312 /12311	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 919	<b>Date of Summary:</b> 06-OCT-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16578	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8477
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7700
<b>API Well Number:</b> 608105007700	<b>Drilling Operator:</b> DEVON SFS OPERATING INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1432
<b>Public Info Code:</b> Y 31-AUG-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4666	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8150 / 7437	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
8180 / 7461	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 921	<b>Date of Summary:</b> 05-DEC-1990	<b>First Sample Examined:</b> 4770
<b>Lease Number:</b> G12142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15786
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15784
<b>API Well Number:</b> 608105002500	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4770 - 15780	<b>Water Depth:</b> 1630
<b>Public Info Code:</b> Y 10-MAR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4770 / 4770	DEF AT first sample examined	DEF IN 4
4771 / 4771	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
10410 /10410	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
10411 /10411	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
12870 /12869	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
13830 /13829	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
15780 /15778	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 922	<b>Date of Summary:</b> 20-NOV-1998	<b>First Sample Examined:</b> 3025
<b>Lease Number:</b> G18176	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16444
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16437
<b>API Well Number:</b> 608105008700	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3025 - 16390	<b>Water Depth:</b> 1805
<b>Public Info Code:</b> Y 22-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 12550=undifferentiated late Jurassic - no Cenozoic present - sparse, from 12730 to16390, the nannospecies noted=first appearance datum (FAD), 12730=FAD *Conusphaera mexicana*, 13869,13870=FAD *Nannoconus grandis*, 14140=FAD *Eprolithus floralis*, 14530=FAD *Micula decussata*, 14800=FAD *Discoaster mahmoudii* with *Toweius eminens*, 14930=FAD *Tribrachiatulus orthostylus*, 15040=FAD *Reticulofenestrata hillae* with FAD *Ericsonia formosa*, 15100=FAD *Dictyococcites bisectus* with FAD *Sphenolithus predistentus*, 15130=FAD *Cyclicololithus floridanus*, 15190=FAD *Reticulofenestra oamurensis*, 15360=FAD *Sphenolithus ciproensis* (=NP24), 15440=FAD *Pontosphaera enormis* (=NP25), 15620=FAD *Sphenolithus conicus* (=NN1), 15980=FAD *Sphenolithus belemnus*, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3025 / 3025	DEF AT first sample examined	DEF AT
8080 / 8080	POS AT Middle Pleistocene (Ionian) <i>Pseudoemiliana lacunosa</i> "B"	DEF AT
9700 / 9700	DEF AT Middle Pleistocene (Ionian) <i>Pseudoemiliana ovata</i>	DEF AT
10000 /10000	DEF AT Lower Pleistocene (Calabrian) <i>Helicosphaera sellii</i>	DEF AT
10750 /10750	DEF AT Upper Pliocene (Gelasian) <i>Discoaster pentaradiatus</i>	DEF AT
10780 /10780	DEF AT Upper Pliocene (Gelasian) <i>Discoaster surculus</i>	DEF AT
10870 /10870	DEF AT Upper Pliocene (Piacenzian) <i>Discoaster tamalis</i>	DEF AT
10900 /10900	DEF AT Lower Pliocene (Zanclian) <i>Sphenolithus abies</i>	DEF AT
11020 /11020	DEF AT Lower Pliocene (Zanclian) <i>Reticulofenestra pseudumbilica</i>	DEF AT
11620 /11619	DEF AT Lower Pliocene (Zanclian) <i>Pseudosphenolithus abies</i> "B" (acme)	DEF AT
11950 /11949	DEF AT Lower Pliocene (Zanclian) <i>Sphenolithus abies</i> "B"	DEF AT
12280 /12279	POS AT Lower Pliocene (Zanclian) <i>Amaurolithus tricorniculatus</i>	DEF AT
12550 /12549	DEF AT Jurassic	DEF AT
12730 /12729	POS AT Upper Jurassic Tithonian Stage	DEF AT
13869 /13866	POS AT Lower Cretaceous Aptian Stage	DEF AT
13870 /13867	POS AT Lower Cretaceous Barremian Stage	DEF AT
14140 /14137	DEF AT Lower Cretaceous Albian Stage	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 922  
Lease Number: G18176  
Well Name: 001  
API Well Number: 608105008700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 22-JUN-2004

Date of Summary: 20-NOV-1998  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 3025 - 16390  
Ecozone Eq MMS:

First Sample Examined: 3025  
Borehole MD: 16444  
Borehole TVD: 16437  
Rkb Elevation: 82  
Water Depth: 1805  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14530 /14527	DEF AT Upper Cretaceous Campanian Stage	DEF AT
14800 /14797	DEF AT Upper (Late) Miocene	DEF AT
14930 /14927	DEF AT Lower (Early) Eocene	DEF AT
15040 /15037	DEF IN Middle Eocene	DEF AT
15100 /15097	DEF AT Middle Eocene	DEF AT
15130 /15127	DEF IN Upper (Late) Eocene	DEF AT
15190 /15187	DEF AT Upper (Late) Eocene	DEF AT
15360 /15356	DEF IN Oligocene Anahuac Formation/Provincial Stage	DEF AT
15440 /15436	DEF AT Oligocene Anahuac Formation/Provincial Stage	DEF AT
15620 /15616	DEF IN Lower (Early) Miocene	DEF AT
15980 /15975	DEF AT Lower (Early) Miocene	DEF AT
16390 /16384	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 922	Date of Summary: 20-NOV-1998	First Sample Examined: 3025
Lease Number: G18176	Source of Paleo: OPERATOR	Borehole MD: 16444
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16437
API Well Number: 608105008700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3025 - 16390	Water Depth: 1805
Public Info Code: Y 22-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** 12040 to 12120=zone of Upper Cretaceous planktic fauna, displaced, reworked or introduced through the mud system, from 12430 to 14140, the samples are essentially barren, the stratigraphic section from 12430 to 16390 is overturned, species level of inception (FAD) rather than extinction horizons are defined, 14140=FAD Globigerinelloides bentonensis (earliest Albian), 14290=FAD Rotalipora subticinensis (middle Albian), 14320=FAD Praeglobotruncana delrioensis, 14470=FAD Praeglobotruncana stephani, 14500=FAD Globotruncana linneiana, 14560=FAD Globotruncana ventricosa, 14680=FAD Racemiguembelina fructicosa, Globotruncana contusa, 14770=FAD Globorotalia pseudobulloides, Globorotalialborotalia trinidadensis, 14890=FAD Acarina angulosa with Acarina soldanoensis soldanoensis, 14980=FAD Globigerinatheka kugleri, 15070=FAD Orbulinoides beckmanni (P13), 15100=FAD Globorotalia increbescens (P14 Upper), 15190=FAD Globigerinatheka semiinvoluta (P15-mid P16), 15250=FAD Globorotalia cerroazulensis cocoaensis sensu strictu (P16-P17), 15330=FAD Heterostegina israelkyi (consistent development), 15580=FAD Globorotalia kugleri (Upper P22), 15730=FAD Globigerinoides primordius, with Siphogenerina transversa (latest Oligocene, earliest Miocene transition), 15820=FAD Globigerinoides immaturus, 16070=FAD Globigerinoides ruber, with Globigerinoides bloom (N5), 16160=rare FAD Globigerinatella insueta (N6), foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3025 / 3025	DEF AT first sample examined	POS AT 5
3640 / 3640	DEF AT - - - - -	DEF AT 5
7150 / 7150	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9460 / 9460	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9940 / 9940	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10690 /10690	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10780 /10780	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10840 /10840	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10870 /10870	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11440 /11439	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11780 /11779	DEF AT - - - - -	DEF AT 6
11890 /11889	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12040 /12039	DEF AT reworked material	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 922  
Lease Number: G18176  
Well Name: 001  
API Well Number: 608105008700  
Paleo Report Num: 2 of 2  
Public Info Code: Y 22-JUN-2004

Date of Summary: 20-NOV-1998  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 3025 - 16390  
Ecozone Eq MMS: Y

First Sample Examined: 3025  
Borehole MD: 16444  
Borehole TVD: 16437  
Rkb Elevation: 82  
Water Depth: 1805  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12430 /12429	DEF AT - - - - -	DEF AT 2
14140 /14137	DEF IN Lower Cretaceous Albian Stage	DEF AT 2
14170 /14167	DEF AT - - - - -	DEF AT 3
14290 /14287	DEF IN Lower Cretaceous Albian Stage	DEF AT 3
14320 /14317	DEF IN Lower Cretaceous Albian Stage	DEF AT 3
14470 /14467	DEF AT Lower Cretaceous Albian Stage	DEF AT 3
14499 /14496	DEF AT Upper Cretaceous Santonian Stage	DEF AT 3
14500 /14497	POS IN Upper Cretaceous Campanian Stage	DEF AT 3
14530 /14527	DEF AT - - - - -	DEF AT 4
14560 /14557	DEF AT Upper Cretaceous Campanian Stage	DEF AT 4
14680 /14677	DEF IN Upper Cretaceous Maastrichtian Stage	DEF AT 4
14770 /14767	DEF AT Paleocene Midway Group/Provincial Stage	DEF AT 4
14890 /14887	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT 5
14980 /14977	DEF AT Middle Eocene Claiborne Group/Provincial Stage	DEF AT 5
15070 /15067	DEF AT Middle Eocene (Bartonian) Ceratobulimina eximia	DEF AT 5
15100 /15097	DEF AT Middle Eocene (Bartonian) Discorbis yeguaensis	DEF AT 5
15190 /15187	DEF IN Upper Eocene (Priabonian) Textularia hockleyensis	DEF AT 5
15250 /15246	DEF AT Upper Eocene (Priabonian) Discorbis cocoaensis	DEF AT 5
15330 /15326	DEF IN Oligocene Anahuac Formation/Provincial Stage	DEF AT 5
15580 /15576	DEF IN Upper Oligocene (Chattian) Robulus "A"	DEF AT 5
15729 /15724	DEF AT Oligocene Anahuac Formation/Provincial Stage	DEF AT 5
15730 /15725	DEF IN Lower (Early) Miocene	DEF AT 5
15820 /15815	DEF IN Lower (Early) Miocene	DEF AT 6
15890 /15885	DEF AT - - - - -	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 922  
 Lease Number: G18176  
 Well Name: 001  
 API Well Number: 608105008700  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 22-JUN-2004

Date of Summary: 20-NOV-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: HESS CORPORATION  
 Sample Range: 3025 - 16390  
 Ecozone Eq MMS: Y

First Sample Examined: 3025  
 Borehole MD: 16444  
 Borehole TVD: 16437  
 Rkb Elevation: 82  
 Water Depth: 1805  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16069 /16064	DEF AT local marker planktic foram increase	DEF AT 5
16070 /16065	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 5
16160 /16155	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
16390 /16384	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 947	Date of Summary: 03-SEP-1991	First Sample Examined: 0
Lease Number: G05803	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10114
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 8700
API Well Number: 608104008300	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 480
Public Info Code: Y 14-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7650 / 6535	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 949	Date of Summary: 16-FEB-2004	First Sample Examined: 5010
Lease Number: G21739	Source of Paleo: OPERATOR	Borehole MD: 13200
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13035
API Well Number: 608104012400	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5010 - 13200	Water Depth: 865
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5010 / 5009	DEF AT first sample examined	DEF AT 4
5930 / 5929	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6920 / 6919	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8810 / 8807	DEF AT faunal change (no faunal increase)	DEF AT 5
8930 / 8927	DEF AT faunal change (no faunal increase)	DEF AT 4
9260 / 9256	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9530 / 9524	DEF AT faunal change (no faunal increase)	DEF AT 5
10130 /10119	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10490 /10479	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11660 /11621	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
11690 /11649	DEF AT faunal change (no faunal increase)	DEF IN 5
11840 /11789	DEF AT faunal change (no faunal increase)	DEF AT 5
13200 /13035	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 949	<b>Date of Summary:</b> 16-FEB-2004	<b>First Sample Examined:</b> 8810
<b>Lease Number:</b> G21739	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13200
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13035
<b>API Well Number:</b> 608104012400	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8810 - 13200	<b>Water Depth:</b> 865
<b>Public Info Code:</b> Y 30-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8810 / 8807	DEF AT first sample examined	DEF AT
8811 / 8808	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9319 / 9314	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9320 / 9315	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10130 /10119	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10520 /10509	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11690 /11649	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13200 /13035	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 949	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 10545
<b>Lease Number:</b> G21739	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12450
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12185
<b>API Well Number:</b> 608104012401	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10545 - 12450	<b>Water Depth:</b> 865
<b>Public Info Code:</b> Y 30-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10545 /10534	DEF AT first sample examined	POS AT 5
10546 /10535	DEF AT cement	POS AT 5
10680 /10669	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11550 /11486	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
12420 /12164	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12450 /12187	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 949	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 10545
<b>Lease Number:</b> G21739	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12450
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12185
<b>API Well Number:</b> 608104012401	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10545 - 12450	<b>Water Depth:</b> 865
<b>Public Info Code:</b> Y 30-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10545 /10534	DEF AT first sample examined	DEF AT
10590 /10579	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11700 /11609	POS IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12420 /12164	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12450 /12187	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 953  
Lease Number: G16581  
Well Name: 001  
API Well Number: 608105007000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-AUG-2001

Date of Summary: 06-JUN-1997  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: ATOFINA PETROCHEMICALS INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 12770  
Borehole TVD: 12110  
Rkb Elevation: 82  
Water Depth: 708  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6140 / 6131	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7970 / 7960	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8030 / 8020	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11090 /10757	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
11180 /10828	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 963	<b>Date of Summary:</b> 19-JUN-1996	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G13084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13100
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13096
<b>API Well Number:</b> 608105006000	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4500 - 13100	<b>Water Depth:</b> 1740
<b>Public Info Code:</b> Y 12-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT
4740 / 4740	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7560 / 7560	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9630 / 9630	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10470 /10470	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12090 /12088	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12120 /12118	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12420 /12418	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12810 /12807	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12840 /12837	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12870 /12867	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12960 /12956	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13020 /13016	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13100 /13096	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 963	Date of Summary: 21-JUN-1996	First Sample Examined: 4500
Lease Number: G13084	Source of Paleo: OPERATOR	Borehole MD: 13100
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13096
API Well Number: 608105006000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4500 - 13100	Water Depth: 1740
Public Info Code: Y 12-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4500 / 4500	DEF AT first sample examined	DEF IN 5
4590 / 4590	DEF AT -----	DEF AT 4
6120 / 6120	DEF AT -----	DEF AT 5
6480 / 6480	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6570 / 6570	DEF AT -----	DEF AT 4
10470 /10470	DEF AT -----	DEF IN 5
10530 /10530	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
12420 /12418	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12780 /12777	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12900 /12897	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12930 /12927	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12990 /12986	DEF AT -----	DEF AT 6
13100 /13096	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EW 963	<b>Date of Summary:</b> 09-JAN-1997	<b>First Sample Examined:</b> 5230
<b>Lease Number:</b> G13084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15924
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13266
<b>API Well Number:</b> 608105006800	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5230 - 15924	<b>Water Depth:</b> 1758
<b>Public Info Code:</b> Y 21-JAN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5230 / 4942	DEF AT first sample examined	POS AT 4
6880 / 6128	DEF AT -----	DEF AT 5
8320 / 7185	DEF AT -----	DEF IN 5
11200 / 9282	DEF AT -----	DEF AT 4
11740 / 9682	DEF AT -----	DEF AT 5
14590 /12060	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 5
15310 /12698	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15460 /12834	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15700 /13055	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15924 /13266	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 963	<b>Date of Summary:</b> 09-JAN-1997	<b>First Sample Examined:</b> 5230
<b>Lease Number:</b> G13084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15924
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13266
<b>API Well Number:</b> 608105006800	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5230 - 15924	<b>Water Depth:</b> 1758
<b>Public Info Code:</b> Y 21-JAN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5230 / 4942	DEF AT first sample examined	DEF AT
8290 / 7163	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11830 / 9750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13540 /11157	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14620 /12086	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14950 /12377	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15145 /12550	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15190 /12590	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15220 /12617	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15400 /12779	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15520 /12889	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15880 /13224	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15924 /13266	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 963	<b>Date of Summary:</b> 13-MAR-1997	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G13084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13605
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11801
<b>API Well Number:</b> 608105006900	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5000 - 13510	<b>Water Depth:</b> 1758
<b>Public Info Code:</b> Y 17-MAR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
5000 / 4909	DEF AT first sample examined	DEF	AT
5001 / 4910	DEF IN cement	DEF	AT
5060 / 4962	DEF AT sample gap top	DEF	AT
5120 / 5015	DEF AT sample gap bottom	POS	AT 4
5330 / 5200	DEF AT sample gap top	POS	AT 4
5450 / 5306	DEF AT sample gap bottom	DEF	AT 4
6020 / 5812	DEF AT -----	DEF	AT 5
6980 / 6665	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT 5
7220 / 6877	DEF AT -----	DEF	IN 5
8180 / 7728	DEF AT -----	DEF	AT 5
10690 / 9793	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS	AT 5
12700 / 11163	DEF AT -----	DEF	IN 5
12730 / 11184	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN 5
12970 / 11351	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN 5
13180 / 11497	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN 5
13510 / 11732	DEF AT last sample examined	DEF	IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 963	<b>Date of Summary:</b> 13-MAR-1997	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G13084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13605
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11801
<b>API Well Number:</b> 608105006900	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5000 - 13510	<b>Water Depth:</b> 1758
<b>Public Info Code:</b> Y 17-MAR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 4909	DEF AT first sample examined	DEF AT
7220 / 6877	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9590 / 8971	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10480 / 9650	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11530 /10369	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12640 /11122	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12850 /11267	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13030 /11392	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13090 /11434	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13180 /11497	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13240 /11539	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13360 /11624	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13510 /11732	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 965	<b>Date of Summary:</b> 16-MAR-1999	<b>First Sample Examined:</b> 8880
<b>Lease Number:</b> G12142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11731
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10824
<b>API Well Number:</b> 608105007900	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8880 - 11670	<b>Water Depth:</b> 1694
<b>Public Info Code:</b> Y 31-DEC-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8880 / 8258	DEF AT first sample examined	DEF AT 5
10770 / 9903	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11460 /10558	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
11670 /10764	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 965	<b>Date of Summary:</b> 16-MAR-1999	<b>First Sample Examined:</b> 8880
<b>Lease Number:</b> G12142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11731
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10824
<b>API Well Number:</b> 608105007900	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8880 - 11670	<b>Water Depth:</b> 1694
<b>Public Info Code:</b> Y 31-DEC-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8880 / 8258	DEF AT first sample examined	DEF AT
10260 / 9441	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10770 / 9903	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11670 /10764	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 965	<b>Date of Summary:</b> 16-MAR-1999	<b>First Sample Examined:</b> 11670
<b>Lease Number:</b> G12142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16300
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15401
<b>API Well Number:</b> 608105007901	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11670 - 16300	<b>Water Depth:</b> 1696
<b>Public Info Code:</b> Y 02-FEB-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11670 /10773	DEF AT first sample examined	DEF AT 5
12570 /11673	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12630 /11733	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
13320 /12423	DEF AT - - - - -	DEF AT 6
13380 /12483	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
14100 /13203	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14190 /13293	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
16300 /15401	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 965	<b>Date of Summary:</b> 16-MAR-1999	<b>First Sample Examined:</b> 11670
<b>Lease Number:</b> G12142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16300
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15401
<b>API Well Number:</b> 608105007901	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11670 - 16290	<b>Water Depth:</b> 1696
<b>Public Info Code:</b> Y 02-FEB-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11670 /10773	DEF AT first sample examined	DEF AT
12090 /11193	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12360 /11463	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12540 /11643	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12570 /11673	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12600 /11703	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12630 /11733	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12870 /11973	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13230 /12333	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13350 /12453	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13370 /12473	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14280 /13383	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16020 /15122	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16290 /15391	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 965	<b>Date of Summary:</b> 16-MAR-1999	<b>First Sample Examined:</b> 16310
<b>Lease Number:</b> G12142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16725
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15492
<b>API Well Number:</b> 608105007902	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16310 - 16700	<b>Water Depth:</b> 1696
<b>Public Info Code:</b> Y 16-FEB-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16310 /15131	DEF AT first sample examined	DEF AT 6
16700 /15475	DEF AT last sample examined	DEF AT 6



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 965	Date of Summary: 16-MAR-1999	First Sample Examined: 16310
Lease Number: G12142	Source of Paleo: OPERATOR	Borehole MD: 16725
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15492
API Well Number: 608105007902	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16310 - 16700	Water Depth: 1696
Public Info Code: Y 16-FEB-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16310 /15131	DEF AT first sample examined	DEF AT
16700 /15475	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 965  
Lease Number: G12142  
Well Name: 003  
API Well Number: 608105008104  
Paleo Report Num: 1 of 2  
Public Info Code: Y 03-AUG-2012

Date of Summary: 02-JUL-2002  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ENI PETROLEUM CO INC  
Sample Range: 8480 - 15652  
Ecozone Eq MMS: Y

First Sample Examined: 8480  
Borehole MD: 15650  
Borehole TVD: 15244  
Rkb Elevation: 84  
Water Depth: 1692  
Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8480 / 8479	DEF AT first sample examined	DEF AT 5
8840 / 8837	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10970 /10852	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
11990 /11812	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12010 /11831	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12050 /11869	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12200 /12009	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12230 /12038	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12620 /12403	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13360 /13097	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13810 /13518	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
13930 /13630	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
15290 /14905	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15652 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 965	<b>Date of Summary:</b> 09-JUL-2002	<b>First Sample Examined:</b> 8480
<b>Lease Number:</b> G12142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15650
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15244
<b>API Well Number:</b> 608105008104	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8480 - 15652	<b>Water Depth:</b> 1692
<b>Public Info Code:</b> Y 03-AUG-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8480 / 8479	DEF AT first sample examined	DEF AT
9860 / 9807	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10340 /10257	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10940 /10824	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11930 /11756	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
11990 /11812	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12050 /11869	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12230 /12038	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12420 /12215	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12500 /12290	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12680 /12460	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13360 /13097	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13930 /13630	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15652 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 965	<b>Date of Summary:</b> 30-SEP-1996	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G12145	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15370
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15369
<b>API Well Number:</b> 608105006200	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11000 - 14920	<b>Water Depth:</b> 1694
<b>Public Info Code:</b> Y 08-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /11000	DEF AT first sample examined	DEF AT
11540 /11540	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11630 /11630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11900 /11900	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11930 /11930	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11960 /11960	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12110 /12110	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12410 /12410	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14750 /14749	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14920 /14919	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 965	Date of Summary: 28-AUG-1998	First Sample Examined: 11000
Lease Number: G12145	Source of Paleo: OPERATOR	Borehole MD: 15370
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15369
API Well Number: 608105006200	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11000 - 14920	Water Depth: 1694
Public Info Code: Y 08-OCT-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Revised calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /11000	DEF AT first sample examined	DEF AT
11540 /11540	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11630 /11630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11900 /11900	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11930 /11930	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11960 /11960	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12110 /12110	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12410 /12410	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12620 /12620	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13190 /13190	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13400 /13400	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
13670 /13670	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14920 /14919	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 966	<b>Date of Summary:</b> 09-JUN-1998	<b>First Sample Examined:</b> 3540
<b>Lease Number:</b> G18184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12150
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12147
<b>API Well Number:</b> 608104010000	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3540 - 12150	<b>Water Depth:</b> 1853
<b>Public Info Code:</b> Y 19-MAY-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3540 / 3540	DEF AT first sample examined	DEF AT 4
3541 / 3541	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3900 / 3900	DEF AT faunal change (no faunal increase)	POS AT 5
6540 / 6540	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10770 /10767	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11400 /11397	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11460 /11457	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12150 /12147	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 3540
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 12150
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12147
API Well Number: 608104010000	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3540 - 12150	Water Depth: 1853
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3540 / 3540	DEF AT first sample examined	DEF AT
6780 / 6780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9990 / 9988	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10770 /10767	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11160 /11157	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11490 /11487	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11910 /11907	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12150 /12147	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 966  
Lease Number: G18184  
Well Name: 001  
API Well Number: 608104010001  
Paleo Report Num: 1 of 2  
Public Info Code: Y 01-JUN-2008

Date of Summary: 09-JUN-1998  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: MARINER ENERGY INC  
Sample Range: 10070 - 11950  
Ecozone Eq MMS: Y

First Sample Examined: 10070  
Borehole MD: 11950  
Borehole TVD: 11880  
Rkb Elevation: 82  
Water Depth: 1853  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10070 /10068	DEF AT first sample examined	DEF AT 5
10071 /10069	DEF AT cement	DEF AT 5
10700 /10694	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11240 /11213	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11450 /11410	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11540 /11495	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11950 /11880	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 966	<b>Date of Summary:</b> 09-JUN-1998	<b>First Sample Examined:</b> 10070
<b>Lease Number:</b> G18184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11950
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11880
<b>API Well Number:</b> 608104010001	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10070 - 11950	<b>Water Depth:</b> 1853
<b>Public Info Code:</b> Y 01-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10070 /10068	DEF AT first sample examined	DEF AT
10700 /10694	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10730 /10724	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11240 /11213	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11450 /11410	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11480 /11439	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11510 /11467	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11810 /11748	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11950 /11880	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 994	<b>Date of Summary:</b> 15-OCT-1998	<b>First Sample Examined:</b> 4920
<b>Lease Number:</b> G18186	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12047
<b>API Well Number:</b> 608104010100	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 4920 - 12960	<b>Water Depth:</b> 855
<b>Public Info Code:</b> Y 20-JUN-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4920 / 4736	DEF AT first sample examined	DEF AT 5
7980 / 7503	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8040 / 7558	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8340 / 7833	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9090 / 8521	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12960 / 11845	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 994	<b>Date of Summary:</b> 15-OCT-1998	<b>First Sample Examined:</b> 12800
<b>Lease Number:</b> G18186	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12047
<b>API Well Number:</b> 608104010100	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 12800 - 13200	<b>Water Depth:</b> 855
<b>Public Info Code:</b> Y 20-JUN-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Bypass 1 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12800 /11710	DEF AT first sample examined	DEF AT 6
13200 /12046	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 994	Date of Summary: 15-OCT-1998	First Sample Examined: 4960
Lease Number: G18186	Source of Paleo: OPERATOR	Borehole MD: 13200
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12047
API Well Number: 608104010100	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 84
Paleo Report Num: 3 of 4	Sample Range: 4920 - 12960	Water Depth: 855
Public Info Code: Y 20-JUN-2003	Ecozone Eq MMS: N	Paleo ID: 004

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4920 / 4736	DEF AT first sample examined	DEF AT
4921 / 4737	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5520 / 5266	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7620 / 7176	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7680 / 7230	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7980 / 7503	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8010 / 7530	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8190 / 7695	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8280 / 7778	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9330 / 8741	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9900 / 9259	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12960 / 11845	DEF AT last sample examined	DEF AT

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End Date: 01-DEC-2016

<b>Area Block:</b> EW 994	<b>Date of Summary:</b> 15-OCT-1998	<b>First Sample Examined:</b> 12800
<b>Lease Number:</b> G18186	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12047
<b>API Well Number:</b> 608104010100	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 12800 - 13200	<b>Water Depth:</b> 855
<b>Public Info Code:</b> Y 20-JUN-2003	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12800 /11710	DEF AT first sample examined	DEF AT
13200 /12046	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 994	<b>Date of Summary:</b> 18-DEC-2002	<b>First Sample Examined:</b> 2940
<b>Lease Number:</b> G18186	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13329
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12150
<b>API Well Number:</b> 608104011900	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2940 - 13329	<b>Water Depth:</b> 850
<b>Public Info Code:</b> Y 20-JUN-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2940 / 2928	DEF AT first sample examined	DEF AT 5
3030 / 3014	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
3900 / 3796	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4500 / 4330	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7590 / 7123	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7979 / 7481	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
7980 / 7482	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8040 / 7537	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
8100 / 7592	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
8370 / 7841	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9150 / 8549	DEF AT -----	DEF AT 6
9240 / 8629	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9510 / 8862	DEF AT -----	DEF AT 5
11340 /10414	DEF AT -----	DEF AT 6
11370 /10440	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
12540 /11449	DEF AT -----	DEF AT 5
12869 /11739	POS AT out-of-place section	DEF AT 5
12870 /11740	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
13329 /12150	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 994	Date of Summary: 19-DEC-2002	First Sample Examined: 2940
Lease Number: G18186	Source of Paleo: OPERATOR	Borehole MD: 13329
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12150
API Well Number: 608104011900	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 2940 - 13329	Water Depth: 850
Public Info Code: Y 20-JUN-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 12990=very rare Burdigalian (Lower Miocene) Sphenolithus disbelemnus, considered to be reworked, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2940 / 2928	DEF AT first sample examined	DEF AT
4500 / 4330	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4890 / 4678	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6810 / 6410	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7590 / 7123	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7710 / 7233	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7980 / 7482	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8010 / 7509	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8130 / 7620	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8160 / 7648	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8370 / 7841	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9240 / 8629	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9420 / 8785	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12480 / 11396	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12989 / 11845	POS AT reworked material	DEF AT
12990 / 11846	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
13329 / 12150	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 07-OCT-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06921	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17650
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16054
<b>API Well Number:</b> 608105004200	<b>Drilling Operator:</b> TATHAM OFFSHORE INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1483
<b>Public Info Code:</b> Y 31-AUG-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 / 8430	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
10410 / 8818	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
10970 / 9378	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12150 /10558	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
12780 /11188	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 22-JAN-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06921	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14396
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13281
<b>API Well Number:</b> 608105009001	<b>Drilling Operator:</b> TATHAM OFFSHORE DEVELOPMENT INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1483
<b>Public Info Code:</b> Y 18-JAN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9160 / 8996	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12010 /11323	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 01-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13091	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11200
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11196
<b>API Well Number:</b> 608104011400	<b>Drilling Operator:</b> ARGO LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1560
<b>Public Info Code:</b> Y 01-JUN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6920 / 6917	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8637 / 8634	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9520 / 9517	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
10220 / 10217	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 12-DEC-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13091	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12916
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12279
<b>API Well Number:</b> 608105004300	<b>Drilling Operator:</b> TATHAM OFFSHORE INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1490
<b>Public Info Code:</b> Y 21-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3830 / 3830	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
9860 / 9335	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10520 / 9968	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
12800 /12166	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 01-APR-2000	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G13091	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11084
<b>Well Name:</b> A004	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 10693
<b>API Well Number:</b> 608104010800	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4000 - 9510	<b>Water Depth:</b> 1490
<b>Public Info Code:</b> Y 10-FEB-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Prince Prospect, 7100=Sphaeroidinella dehiscens acme below Stilostomella antillea and above Globorotalia incisa, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT first sample examined	DEF AT 4
4002 / 4001	DEF AT sand	DEF AT 4
4100 / 4099	DEF AT sample gap top	DEF AT 4
4199 / 4198	DEF AT sample gap bottom	DEF AT 4
4200 / 4199	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4600 / 4598	DEF AT sample gap top	POS AT 4
4800 / 4797	DEF AT sample gap bottom	DEF AT 4
4900 / 4895	DEF AT faunal change (no faunal increase)	DEF AT 4
5000 / 4993	DEF AT faunal change (no faunal increase)	DEF AT 5
5100 / 5091	POS AT local marker planktic foram increase	DEF AT 5
5300 / 5283	DEF AT faunal change (no faunal increase)	DEF AT 4
5400 / 5377	DEF AT sample gap top	DEF AT 4
5500 / 5470	DEF AT sample gap bottom	DEF AT 4
5600 / 5562	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
5800 / 5742	DEF AT sample gap top	POS AT 4
6000 / 5921	DEF AT sample gap bottom	DEF AT 4
6100 / 6008	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6700 / 6535	DEF AT faunal change (no faunal increase)	POS AT 5
6800 / 6621	DEF AT faunal change (no faunal increase)	DEF AT 4
7000 / 6790	DEF AT faunal change (no faunal increase)	DEF AT 5
7100 / 6875	DEF AT local marker planktic foram increase	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 01-APR-2000	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G13091	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11084
<b>Well Name:</b> A004	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 10693
<b>API Well Number:</b> 608104010800	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4000 - 9510	<b>Water Depth:</b> 1490
<b>Public Info Code:</b> Y 10-FEB-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7200 / 6960	DEF AT faunal change (no faunal increase)	DEF AT 4
8200 / 7843	DEF AT faunal change (no faunal increase)	DEF AT 5
8300 / 7937	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8400 / 8031	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8600 / 8223	DEF AT faunal change (no faunal increase)	DEF AT 4
8900 / 8516	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 6
9000 / 8614	DEF AT faunal change (no faunal increase)	DEF AT 5
9300 / 8911	DEF AT faunal change (no faunal increase)	DEF AT 4
9480 / 9090	DEF AT faunal change (no faunal increase)	POS AT 4
9510 / 9120	DEF AT last sample examined	POS AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 1003	Date of Summary: 01-APR-2000	First Sample Examined: 4000
Lease Number: G13091	Source of Paleo: OPERATOR	Borehole MD: 11084
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10693
API Well Number: 608104010800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 4000 - 11070	Water Depth: 1490
Public Info Code: Y 10-FEB-2010	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Prince Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4000 / 3999	DEF AT first sample examined	DEF AT
4200 / 4199	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5000 / 4993	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5100 / 5091	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6700 / 6535	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7100 / 6875	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8100 / 7750	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8300 / 7937	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8400 / 8031	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
8900 / 8516	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9200 / 8811	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
9300 / 8911	DEF AT reworked material	DEF AT
9510 / 9120	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 01-APR-2000	<b>First Sample Examined:</b> 9510
<b>Lease Number:</b> G13091	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13850
<b>Well Name:</b> A004	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 13459
<b>API Well Number:</b> 608104010801	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 9510 - 13850	<b>Water Depth:</b> 1490
<b>Public Info Code:</b> Y 04-APR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Prince Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9510 / 9120	DEF AT first sample examined	POS AT 5
9511 / 9121	DEF AT cement	POS AT 5
9838 / 9448	DEF AT pyrite	DEF AT 5
9839 / 9449	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9840 / 9450	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9898 / 9508	POS AT fault	DEF AT 5
9899 / 9509	POS AT unconformity	DEF AT 5
9900 / 9510	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
9901 / 9511	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 6
9960 / 9570	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
9990 / 9600	DEF AT local marker planktic foram increase	DEF AT 6
10050 / 9660	DEF AT faunal change (no faunal increase)	DEF AT 5
10170 / 9780	DEF AT pyrite	POS AT 6
10290 / 9900	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	POS AT 6
10319 / 9929	DEF AT pyrite	POS AT 6
10320 / 9930	DEF AT local marker foram increase	DEF AT 5
10350 / 9960	DEF AT pyrite	DEF AT 5
10410 /10020	DEF AT sand	DEF AT 5
10440 /10050	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS AT 6
10470 /10080	DEF AT faunal change (no faunal increase)	DEF AT 6
10770 /10380	DEF AT sand	POS AT 6
10889 /10499	DEF AT pyrite	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 1003  
Lease Number: G13091  
Well Name: A004  
API Well Number: 608104010801  
Paleo Report Num: 1 of 3  
Public Info Code: Y 04-APR-2010

Date of Summary: 01-APR-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: EL PASO PRODUCTION GOM INC  
Sample Range: 9510 - 13850  
Ecozone Eq MMS: Y

First Sample Examined: 9510  
Borehole MD: 13850  
Borehole TVD: 13459  
Rkb Elevation: 72  
Water Depth: 1490  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10890 /10500	DEF AT local marker planktic foram increase	POS AT 6
10920 /10530	DEF AT pyrite	DEF AT 5
10950 /10560	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 5
11400 /11010	DEF IN Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / nepenthes "B"	DEF AT 5
11430 /11040	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 5
11490 /11100	DEF AT faunal change (no faunal increase)	POS AT 6
11550 /11160	DEF AT local marker foram increase	POS AT 6
11580 /11190	DEF AT pyrite	POS AT 6
11610 /11220	DEF AT local marker foram increase	POS AT 6
11700 /11310	DEF AT local marker foram increase	POS AT 6
11730 /11340	DEF AT faunal change (no faunal increase)	POS AT 5
12450 /12060	DEF AT pyrite	POS AT 5
13020 /12630	DEF AT faunal change (no faunal increase)	DEF AT 5
13080 /12690	POS AT Lower Pliocene (Zanclian) <i>Globorotalia plesiotumida</i> (acme)	DEF AT 5
13260 /12870	DEF AT local marker foram increase	DEF AT 5
13470 /13079	DEF IN Lower Pliocene (Zanclian) <i>Siphotextularia jugosa</i> / "J"	DEF AT 5
13770 /13379	DEF AT Lower Pliocene (Zanclian) <i>Globorotalia plesiotumida</i> (acme)	DEF AT 5
13850 /13459	DEF AT last sample examined	DEF AT 5

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 01-APR-2000	<b>First Sample Examined:</b> 9510
<b>Lease Number:</b> G13091	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13850
<b>Well Name:</b> A004	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 13459
<b>API Well Number:</b> 608104010801	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 9510 - 13850	<b>Water Depth:</b> 1490
<b>Public Info Code:</b> Y 04-APR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Prince Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9510 / 9120	DEF AT first sample examined	DEF AT
9720 / 9330	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
9750 / 9360	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
9899 / 9509	DEF AT condensed section	DEF AT
9900 / 9510	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9960 / 9570	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10050 / 9660	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10320 / 9930	DEF AT local marker floral increase	DEF AT
10500 /10110	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
10590 /10200	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11430 /11040	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11610 /11220	DEF AT local marker floral increase	DEF AT
13050 /12660	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13800 /13409	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
13830 /13439	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1003	<b>Date of Summary:</b> 28-APR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13091	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13850
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13459
<b>API Well Number:</b> 608104010801	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1490
<b>Public Info Code:</b> Y 04-APR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9060	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1008	<b>Date of Summary:</b> 14-JAN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G18188	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13389
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12570
<b>API Well Number:</b> 608105008201	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 2055
<b>Public Info Code:</b> Y 03-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7920 / 7646	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11250 /10491	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12445 /11628	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: EW 1010	Date of Summary: 09-JAN-2001	First Sample Examined: 5390
Lease Number: G18189	Source of Paleo: OPERATOR	Borehole MD: 7867
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 7866
API Well Number: 608104010900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5390 - 7550	Water Depth: 1654
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Hurricane Prospect

MD / TVD	Paleo Top Description	Ecozone
5390 / 5390	DEF AT first sample examined	DEF AT 4
5600 / 5600	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5960 / 5960	DEF AT faunal change (no faunal increase)	DEF AT 5
5990 / 5990	DEF AT foram flood	DEF AT 5
6260 / 6260	DEF AT faunal change (no faunal increase)	DEF AT 4
6290 / 6290	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6350 / 6350	DEF AT faunal change (no faunal increase)	DEF AT 5
6410 / 6410	DEF AT faunal change (no faunal increase)	DEF AT 4
6830 / 6830	DEF AT faunal change (no faunal increase)	DEF AT 5
6890 / 6890	DEF AT faunal change (no faunal increase)	DEF AT 4
6920 / 6920	DEF AT faunal change (no faunal increase)	DEF AT 4
6980 / 6980	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
7009 / 7009	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7010 / 7010	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
7040 / 7040	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7130 / 7130	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
7250 / 7250	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
7310 / 7310	DEF AT gypsum	DEF AT 4
7370 / 7370	DEF AT faunal change (no faunal increase)	DEF AT 4
7429 / 7429	DEF AT gypsum	DEF AT 4
7430 / 7430	POS IN gouge	DEF AT 4
7520 / 7520	DEF AT salt	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1010	<b>Date of Summary:</b> 09-JAN-2001	<b>First Sample Examined:</b> 5390
<b>Lease Number:</b> G18189	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7867
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 7866
<b>API Well Number:</b> 608104010900	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5390 - 7550	<b>Water Depth:</b> 1654
<b>Public Info Code:</b> Y 30-JUN-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

MD / TVD

Paleo Top Description

Ecozone

7550 / 7550

DEF AT last sample examined

DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> EW 1010	<b>Date of Summary:</b> 28-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G18189	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 26048
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25990
<b>API Well Number:</b> 608104010901	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1654
<b>Public Info Code:</b> Y 30-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Hurricane Prospect, company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6710	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
7323 / 7323	DEF AT domal material	DEF AT
14805 /14770	DEF AT base of salt	DEF AT
15170 /15134	DEF AT out-of-place section	DEF AT
15300 /15264	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15770 /15734	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16250 /16214	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17260 /17223	DEF IN Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT
18715 /18674	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
19750 /19708	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
21430 /21387	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22750 /22705	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25360 /25306	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> EW 1010	<b>Date of Summary:</b> 01-MAR-2001	<b>First Sample Examined:</b> 5390
<b>Lease Number:</b> G18189	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26048
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25990
<b>API Well Number:</b> 608104010901	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5390 - 26020	<b>Water Depth:</b> 1654
<b>Public Info Code:</b> Y 30-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Hurricane Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5600	DEF AT first sample examined	DEF AT
5601 / 5601	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
6860 / 6860	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6920 / 6920	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7010 / 7010	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7040 / 7040	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7070 / 7070	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7130 / 7130	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
7250 / 7250	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15770 /15734	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT
15920 /15884	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16100 /16064	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16300 /16264	POS AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
17110 /17073	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17200 /17163	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18460 /18419	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18700 /18659	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
19810 /19768	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21430 /21387	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22750 /22705	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25360 /25306	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
26020 /25962	DEF AT last sample examined	DEF AT

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 144	Date of Summary: 30-APR-1998	First Sample Examined: 3790
Lease Number: G17119	Source of Paleo: OPERATOR	Borehole MD: 9614
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9474
API Well Number: 427064040800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 95
Paleo Report Num: 1 of 2	Sample Range: 3790 - 9614	Water Depth: 52
Public Info Code: Y 23-JUL-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3790 / 3790	DEF AT first sample examined	DEF AT 1
6610 / 6521	DEF AT - - - - -	DEF AT 2
6790 / 6696	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6880 / 6783	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
7150 / 7044	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7300 / 7190	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
7480 / 7364	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
7630 / 7509	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
9220 / 9080	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
9520 / 9380	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
9614 / 9474	DEF AT last sample examined	DEF AT 2



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 144	<b>Date of Summary:</b> 05-MAY-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17119	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9614
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9474
<b>API Well Number:</b> 427064040800	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 23-JUL-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4450 / 4446	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8410 / 8272	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 144	<b>Date of Summary:</b> 30-APR-1998	<b>First Sample Examined:</b> 9615
<b>Lease Number:</b> G17119	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13170
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11879
<b>API Well Number:</b> 427064040801	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9615 - 13170	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 23-JUL-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9615 / 9442	DEF AT first sample examined	DEF AT
10600 /10426	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11200 /11025	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11350 /11175	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13170 /12995	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 144  
 Lease Number: G17119  
 Well Name: A001  
 API Well Number: 427064040801  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 23-JUL-2002

Date of Summary: 30-JUN-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: MARINER ENERGY INC  
 Sample Range: 9615 - 13170  
 Ecozone Eq MMS: Y

First Sample Examined: 9615  
 Borehole MD: 13170  
 Borehole TVD: 11879  
 Rkb Elevation: 95  
 Water Depth: 52  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9615 / 9442	DEF AT first sample examined	DEF AT 2
10570 /10396	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
12400 /12225	DEF AT -----	DEF AT 4
13170 /12995	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 144	Date of Summary: 30-APR-1998	First Sample Examined: 12700
Lease Number: G17119	Source of Paleo: OPERATOR	Borehole MD: 14110
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13931
API Well Number: 427064040802	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 12700 - 14080	Water Depth: 52
Public Info Code: Y 23-JUL-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12700 /12522	DEF AT first sample examined	POS AT 4
13540 /13361	DEF AT Lower Miocene (Aquitanian) Siphonina davis	POS AT 4
14080 /13901	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 144	Date of Summary: 31-JUL-1998	First Sample Examined: 0
Lease Number: G17119	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10162
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9273
API Well Number: 427064041300	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 23-JUL-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6300 / 6053	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6660 / 6354	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7080 / 6703	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9020 / 8318	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9410 / 8641	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 151	<b>Date of Summary:</b> 06-AUG-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15740	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11370
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11368
<b>API Well Number:</b> 427064039200	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 53
<b>Public Info Code:</b> Y 23-DEC-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6900 / 6899	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9105 / 9104	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9378 / 9377	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 151	Date of Summary: 25-MAY-2001	First Sample Examined: 0
Lease Number: G15740	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11265
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11115
API Well Number: 427064041200	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 21-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6300 / 6298	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6630 / 6628	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7080 / 7078	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9020 / 8992	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9410 / 9361	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 151	Date of Summary: 08-JAN-1999	First Sample Examined: 0
Lease Number: G15740	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11588
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11131
API Well Number: 427064041400	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6240 / 6236	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6720 / 6716	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6990 / 6986	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8970 / 8940	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9690 / 9544	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 190	Date of Summary: 11-JUL-2001	First Sample Examined: 0
Lease Number: G20623	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16113
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14727
API Well Number: 427064042101	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 07-NOV-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5805 / 5800	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7930 / 7925	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
14276 /13574	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 190	Date of Summary: 11-JUL-2001	First Sample Examined: 0
Lease Number: G20623	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6671
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6199
API Well Number: 427064042300	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 25-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6253 / 5829	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210	Date of Summary: 09-OCT-1992	First Sample Examined: 0
Lease Number: G07236	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8080
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6308
API Well Number: 427064029300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 12-JUN-2001	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4516 / 3355	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210	Date of Summary: 28-OCT-1991	First Sample Examined: 0
Lease Number: G07236	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9415
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8644
API Well Number: 427064030900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 17-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8270 / 7499	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210	Date of Summary: 26-MAR-1999	First Sample Examined: 0
Lease Number: G07236	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6695
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 6236
API Well Number: 427064034100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 26-SEP-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3610 / 3425	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5150 / 4797	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6240 / 5803	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210	Date of Summary: 16-JAN-1997	First Sample Examined: 4600
Lease Number: G07236	Source of Paleo: OPERATOR	Borehole MD: 14141
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12602
API Well Number: 427064039300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 4600 - 12340	Water Depth: 58
Public Info Code: Y 26-SEP-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4600 / 4168	DEF AT first sample examined	DEF AT 1
4960 / 4465	DEF AT -----	POS AT 2
5530 / 4927	POS AT Middle Miocene (Serravallian) Bigenerina humblei	POS AT 2
7630 / 6661	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 2
8380 / 7285	DEF AT -----	DEF AT 3
8650 / 7512	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10000 / 8697	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12250 /10733	DEF AT -----	DEF AT 4
12340 /10818	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210  
 Lease Number: G07236  
 Well Name: A004  
 API Well Number: 427064039300  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 26-SEP-2002

Date of Summary: 16-JAN-1997  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: HESS CORPORATION  
 Sample Range: 4600 - 14140  
 Ecozone Eq MMS: Y

First Sample Examined: 4600  
 Borehole MD: 14141  
 Borehole TVD: 12602  
 Rkb Elevation: 114  
 Water Depth: 58  
 Paleo ID: 003

Remark: Bypass report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11500 /10041	DEF AT first sample examined	DEF AT 3
12070 /10563	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
13150 /11614	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
14140 /12602	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210	Date of Summary: 09-SEP-2001	First Sample Examined: 0
Lease Number: G07236	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11013
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 7950
API Well Number: 427064042200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 26-SEP-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10158 / 7367	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10535 / 7624	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210	Date of Summary: 02-DEC-2004	First Sample Examined: 4540
Lease Number: G25524	Source of Paleo: OPERATOR	Borehole MD: 12270
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10500
API Well Number: 427064044300	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 4540 - 12270	Water Depth: 59
Public Info Code: Y 28-DEC-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4540 / 4540	DEF AT first sample examined	DEF AT 2
4541 / 4541	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
4630 / 4630	DEF AT shell fragments	DEF AT 2
4930 / 4929	DEF AT -----	DEF AT 1
6220 / 6140	DEF AT -----	DEF IN 1
6310 / 6217	DEF AT local marker benthic foram increase	DEF IN 1
6340 / 6242	DEF AT local marker planktic foram increase	DEF IN 1
6370 / 6268	DEF AT -----	DEF IN 2
6490 / 6368	DEF AT -----	DEF AT 3
6640 / 6489	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 1
6730 / 6560	DEF AT pyrite	DEF IN 1
7270 / 6956	DEF AT -----	DEF AT 2
7390 / 7041	DEF AT -----	DEF IN 2
7480 / 7106	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 2
8170 / 7600	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
8320 / 7708	DEF AT -----	DEF AT 3
8350 / 7729	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
8440 / 7794	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
8800 / 8056	DEF AT -----	DEF AT 2
9130 / 8297	DEF AT cement	DEF IN 1
9310 / 8426	DEF AT -----	DEF AT 2
9970 / 8897	DEF AT -----	DEF IN 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210	Date of Summary: 02-DEC-2004	First Sample Examined: 4540
Lease Number: G25524	Source of Paleo: OPERATOR	Borehole MD: 12270
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10500
API Well Number: 427064044300	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 4540 - 12270	Water Depth: 59
Public Info Code: Y 28-DEC-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10570 / 9325	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10600 / 9347	DEF AT - - - - -	DEF AT 2
10630 / 9368	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
10800 / 9488	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 2
10900 / 9557	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10930 / 9578	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
11050 / 9660	DEF AT local marker benthic foram increase	DEF IN 3
11650 /10073	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF IN 3
11830 /10197	DEF AT Arenaceous fauna (local marker)	DEF IN 3
11950 /10280	DEF AT local marker benthic foram increase	DEF AT 4
12100 /10383	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
12270 /10500	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 210	Date of Summary: 10-JUN-2005	First Sample Examined: 5290
Lease Number: G25524	Source of Paleo: OPERATOR	Borehole MD: 12038
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10200
API Well Number: 427064044800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 5290 - 12040	Water Depth: 60
Public Info Code: Y 17-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5290 / 4518	DEF AT first sample examined	DEF IN 1
5350 / 4562	DEF AT local marker foram increase	DEF IN 1
7750 / 6349	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 1
8080 / 6594	DEF AT -----	DEF AT 2
8200 / 6684	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8440 / 6862	DEF AT -----	DEF IN 2
9220 / 7488	DEF AT -----	DEF AT 3
9350 / 7601	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
9430 / 7671	DEF AT Eggerella sp. (local marker)	DEF AT 3
9820 / 8023	DEF AT -----	DEF AT 1
9970 / 8161	POS AT unconformity	DEF AT 1
10450 / 8618	DEF AT -----	DEF AT 2
10480 / 8647	DEF AT -----	DEF AT 1
10610 / 8774	DEF AT reworked material	DEF AT 1
10780 / 8943	DEF AT drilling material	DEF AT 1
10809 / 8971	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
10810 / 8972	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
10840 / 9002	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
10990 / 9152	DEF AT foram flood	DEF AT 3
11050 / 9212	DEF AT Cyclammina sp. (local marker)	DEF AT 3
11080 / 9242	DEF AT Eggerella sp. (local marker)	DEF AT 3
11290 / 9452	DEF AT -----	DEF IN 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 210	<b>Date of Summary:</b> 10-JUN-2005	<b>First Sample Examined:</b> 5290
<b>Lease Number:</b> G25524	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12038
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10200
<b>API Well Number:</b> 427064044800	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5290 - 12040	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 17-JUN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11530 / 9692	DEF AT - - - - -	DEF AT 3
11620 / 9782	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 3
11740 / 9902	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
11889 /10051	DEF AT pyrite	DEF IN 3
11890 /10052	DEF AT local marker deep water fauna	DEF IN 3
12040 /	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 211	Date of Summary: 13-MAR-1996	First Sample Examined: 3070
Lease Number: G06094	Source of Paleo: OPERATOR	Borehole MD: 15900
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15571
API Well Number: 427064038000	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3070 - 15900	Water Depth: 60
Public Info Code: Y 24-SEP-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3070 / 2992	DEF AT first sample examined	DEF AT 1
4360 / 4229	DEF AT - - - - -	POS AT 2
4900 / 4742	DEF AT local marker benthic foram increase	POS AT 2
5590 / 5393	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	POS AT 2
5680 / 5477	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 2
6220 / 5987	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
6340 / 6100	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
6400 / 6157	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
6790 / 6527	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
6850 / 6585	DEF AT local marker benthic foram increase	DEF AT 3
8110 / 7801	DEF AT local marker benthic foram increase	DEF AT 3
8348 / 8036	DEF AT Eggerella sp. (local marker)	DEF AT 3
8349 / 8037	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
8350 / 8038	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
8620 / 8306	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
8769 / 8454	DEF AT Eggerella sp. (local marker)	DEF AT 3
8770 / 8455	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
8800 / 8485	DEF AT sample gap top	POS AT 3
9969 / 9652	DEF AT sample gap bottom	DEF AT 4
9970 / 9653	DEF IN Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
11200 / 10882	DEF AT Bathysiphon fauna	DEF AT 4
12160 / 11842	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 211	<b>Date of Summary:</b> 13-MAR-1996	<b>First Sample Examined:</b> 3070
<b>Lease Number:</b> G06094	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15900
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15571
<b>API Well Number:</b> 427064038000	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3070 - 15900	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 24-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13300 /12980	DEF AT local marker benthic foram increase	DEF AT 4
13900 /13577	DEF AT local marker benthic foram increase	DEF AT 4
14410 /14085	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
14980 /14654	DEF AT local marker benthic foram increase	DEF AT 4
15900 /15571	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 213	Date of Summary: 03-JUN-1998	First Sample Examined: 0
Lease Number: G17120	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8805
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8802
API Well Number: 427064040700	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 25-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6540 / 6538	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8580 / 8577	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 223  
Lease Number: G03738  
Well Name: JA002  
API Well Number: 427064025000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-JAN-2000

Date of Summary: 01-FEB-1990  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO CONTROL INC.  
Drilling Operator: TRANSCO EXPLORATION COMPANY  
Sample Range: 3760 - 8885  
Ecozone Eq MMS: Y

First Sample Examined: 3760  
Borehole MD: 8885  
Borehole TVD: 7801  
Rkb Elevation: 100  
Water Depth: 62  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3760 / 3519	DEF AT first sample examined	POS AT 1
3970 / 3694	DEF AT - - - - -	DEF AT 1
5050 / 4568	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
6330 / 5594	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
6680 / 5882	DEF AT local marker benthic foram increase	DEF AT 1
6990 / 6141	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 1
7440 / 6524	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 1
7820 / 6854	DEF AT reworked material	DEF AT 1
8030 / 7039	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 1
8720 / 7652	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 1
8870 / 7787	DEF AT last sample examined	DEF AT 1



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 223	Date of Summary: 05-JUL-2001	First Sample Examined: 0
Lease Number: G17124	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9059
Well Name: JA003	Paleo Done By: OPERATOR	Borehole TVD: 8000
API Well Number: 427064042800	Drilling Operator: TDC ENERGY CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 16-MAY-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7927 / 7115	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 237	Date of Summary: 01-NOV-2001	First Sample Examined: 0
Lease Number: G21323	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8650
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8650
API Well Number: 427064043100	Drilling Operator: CHALLENGER MINERALS INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 30-NOV-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7490 / 7490	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 239	<b>Date of Summary:</b> 10-OCT-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09032	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15770
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15770
<b>API Well Number:</b> 427064026900	<b>Drilling Operator:</b> ATLANTIC RICHFIELD COMPANY	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 55
<b>Public Info Code:</b> Y 27-AUG-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 /11986	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
13650 /13645	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT
15650 /	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 239	Date of Summary: 10-JAN-1991	First Sample Examined: 0
Lease Number: G09032	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12229
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12076
API Well Number: 427064028300	Drilling Operator: ATLANTIC RICHFIELD COMPANY	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 01-JAN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11325 /11221	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 239	Date of Summary: 04-MAY-1998	First Sample Examined: 0
Lease Number: G09032	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7545
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7542
API Well Number: 427064031800	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 06-JUN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6260 / 6258	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6618 / 6616	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 240	Date of Summary: 07-MAR-2002	First Sample Examined: 4530
Lease Number: G17123	Source of Paleo: OPERATOR	Borehole MD: 9750
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8803
API Well Number: 427064043200	Drilling Operator: TDC ENERGY CORPORATION	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 4530 - 9745	Water Depth: 63
Public Info Code: Y 19-AUG-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT first sample examined	DEF AT 1
4800 / 4800	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6840 / 6759	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
7260 / 7068	DEF AT - - - - -	DEF AT 3
7320 / 7109	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8430 / 7885	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
9060 / 8311	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
9745 / 8800	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 252	<b>Date of Summary:</b> 29-AUG-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11307	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9850
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9844
<b>API Well Number:</b> 427064027600	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 61
<b>Public Info Code:</b> Y 14-SEP-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6387 / 6383	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6817 / 6813	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9373 / 9368	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 252  
 Lease Number: G11307  
 Well Name: A001  
 API Well Number: 427064027000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 26-AUG-2000

Date of Summary: 28-AUG-1990  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: HOUSTON EXPLORATION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9996  
 Borehole TVD: 9425  
 Rkb Elevation: 92  
 Water Depth: 64  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6514 / 6500	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7015 / 6965	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7796 / 7628	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9670 / 9181	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 252	Date of Summary: 12-JUL-1991	First Sample Examined: 0
Lease Number: G11307	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9950
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9515
API Well Number: 427064030500	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 64
Public Info Code: Y 15-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7047 / 6777	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
7130 / 6855	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7800 / 7486	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9740 / 9328	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 252	Date of Summary: 29-DEC-1993	First Sample Examined: 0
Lease Number: G11307	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9900
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8897
API Well Number: 427064033500	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 64
Public Info Code: Y 14-DEC-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8099 / 7097	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8800 / 7798	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 270	Date of Summary: 14-APR-1998	First Sample Examined: 0
Lease Number: G17128	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10885
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10882
API Well Number: 427064040900	Drilling Operator: BARRETT RESOURCES CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 59
Public Info Code: Y 31-JAN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10406 /10404	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 272	Date of Summary: 13-OCT-1992	First Sample Examined: 0
Lease Number: G12497	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10000
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 9326
API Well Number: 427064032500	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 02-OCT-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7154 / 6914	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8030 / 7590	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 272	Date of Summary: 01-MAR-1993	First Sample Examined: 0
Lease Number: G12497	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10500
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 9625
API Well Number: 427064033000	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 64
Public Info Code: Y 21-FEB-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7280 / 7115	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8360 / 7923	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 272	Date of Summary: 29-MAY-1997	First Sample Examined: 0
Lease Number: G12497	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10018
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 9058
API Well Number: 427064039400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 18-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6537	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
7530 / 7137	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8614 / 7889	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 273	Date of Summary: 01-NOV-1990	First Sample Examined: 10500
Lease Number: G09037	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 11000
API Well Number: 427064027100	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 10500 - 11000	Water Depth: 63
Public Info Code: Y 19-SEP-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10493	DEF AT first sample examined	DEF AT 1
10501 /10494	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 1
10620 /10612	POS AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 1
10740 /10732	DEF AT local marker benthic foram increase	DEF AT 1
10920 /10912	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 2
10921 /10913	POS AT deepwater facies Planulina	DEF AT 2
10950 /10942	DEF AT -----	DEF AT 1
10980 /10972	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 273  
 Lease Number: G09037  
 Well Name: 002  
 API Well Number: 427064028000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 26-NOV-2000

Date of Summary: 17-JAN-1991  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO CONTROL INC.  
 Drilling Operator: SEAGULL ENERGY E&P INC  
 Sample Range: 10930 - 11260  
 Ecozone Eq MMS: Y

First Sample Examined: 10930  
 Borehole MD: 11534  
 Borehole TVD: 9670  
 Rkb Elevation: 93  
 Water Depth: 61  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10930 / 9189	DEF AT first sample examined	DEF AT 1
10931 / 9189	DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 1
11230 / 9430	DEF AT last sample examined	DEF AT 1



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 273  
Lease Number: G09037  
Well Name: 003  
API Well Number: 427064029500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 08-JUL-2001

Date of Summary: 14-JUN-1991  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO CONTROL INC.  
Drilling Operator: SEAGULL ENERGY E&P INC  
Sample Range: 7000 - 10950  
Ecozone Eq MMS: Y

First Sample Examined: 7000  
Borehole MD: 10960  
Borehole TVD: 9716  
Rkb Elevation: 97  
Water Depth: 65  
Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6378	DEF AT first sample examined	DEF AT 1
7001 / 6379	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
7480 / 6768	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 1
8080 / 7256	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 1
9060 / 8060	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 1
10110 / 8949	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 2
10170 / 9002	DEF AT faunal change (no faunal increase)	DEF AT 1
10830 / 9597	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 1
10920 / 9679	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 273	Date of Summary: 02-SEP-1992	First Sample Examined: 0
Lease Number: G09037	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9655
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9126
API Well Number: 427064029900	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 64
Public Info Code: Y 15-SEP-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7270 / 7204	POS AT Lower (Early) Miocene	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 273	Date of Summary: 23-APR-1993	First Sample Examined: 0
Lease Number: G09037	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9756
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 9100
API Well Number: 427064033100	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 63
Public Info Code: Y 30-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7780 / 7210	POS AT Lower (Early) Miocene	DEF AT
8610 / 7993	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 282	Date of Summary: 31-AUG-1997	First Sample Examined: 8000
Lease Number: G15747	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 16414
API Well Number: 427064040200	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 8000 - 16500	Water Depth: 64
Public Info Code: Y 31-JAN-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 1
8001 / 8000	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 1
8210 / 8209	POS AT unconformity	DEF IN 1
8360 / 8359	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 1
9350 / 9348	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 1
9980 / 9977	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10580 /10577	POS AT unconformity	DEF AT 2
10670 /10667	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 2
10700 /10697	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 2
10940 /10937	DEF AT faunal change (no faunal increase)	DEF IN 2
11270 /11267	DEF AT faunal change (no faunal increase)	DEF AT 3
12980 /12974	DEF AT faunal change (no faunal increase)	DEF IN 3
14360 /14351	DEF AT Lower Miocene (Aquitanean) Siphonina davis	DEF IN 3
15560 /15536	POS AT Lower Miocene (Aquitanean) Planulina palmerae	DEF IN 3
16500 /16454	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 282	Date of Summary: 20-DEC-1997	First Sample Examined: 13604
Lease Number: G15747	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 16414
API Well Number: 427064040200	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 13604 - 16371	Water Depth: 64
Public Info Code: Y 31-JAN-2001	Ecozone Eq MMS:	Paleo ID: 003

Remark: Report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13604 /13598	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
13622 /13616	DEF AT siltstone	DEF AT
15339 /15320	DEF AT gray shale	DEF AT
15340 /15321	DEF AT Lower Miocene (Aquitania) Globigerinoides primordius	DEF AT
15363 /15343	DEF AT siltstone	DEF AT
15793 /15763	POS AT Lower Miocene (Aquitania) Planulina palmerae	DEF AT
15794 /15764	DEF AT Arenaceous fauna (local marker)	DEF AT
15803 /15773	DEF AT siltstone	DEF AT
16005 /15970	DEF AT local marker foram decrease	DEF AT
16101 /16064	DEF AT sand	DEF AT
16102 /16065	DEF AT siltstone	DEF AT
16371 /16328	DEF AT local marker foram decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 283	Date of Summary: 27-JUL-1992	First Sample Examined: 6000
Lease Number: G09039	Source of Paleo: OPERATOR	Borehole MD: 8208
Well Name: 003	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 8208
API Well Number: 427064032200	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 6000 - 8208	Water Depth: 64
Public Info Code: Y 19-AUG-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 6900=Chilostomella oolina, 6990=Bolivina floridana, 7033=Cibicides planus - Brazos shale

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5997	DEF AT first sample examined	DEF AT 1
6001 / 5998	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
6900 / 6897	DEF AT local marker benthic foram increase	DEF IN 1
6990 / 6987	POS AT deepwater facies Harang	DEF AT 2
7033 / 7030	DEF AT local marker benthic foram increase	DEF IN 2
7320 / 7317	DEF AT -----	DEF AT 1
7470 / 7467	POS AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT 1
7500 / 7497	DEF AT -----	DEF IN 1
7680 / 7677	DEF AT -----	DEF AT 2
7710 / 7707	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 2
7860 / 7857	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 1
8190 / 8186	DEF AT last sample examined	DEF IN 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 283	Date of Summary: 19-APR-1991	First Sample Examined: 6000
Lease Number: G09039	Source of Paleo: OPERATOR	Borehole MD: 9737
Well Name: A002	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 9737
API Well Number: 427064028600	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 6000 - 9750	Water Depth: 63
Public Info Code: Y 12-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5998	DEF AT first sample examined	DEF AT 1
6001 / 5999	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 1
6120 / 6118	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
6630 / 6627	DEF AT - - - - -	POS AT 2
6720 / 6717	DEF AT - - - - -	DEF AT 1
7140 / 7137	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
7200 / 7197	DEF AT local marker foram increase	DEF AT 1
7410 / 7407	POS AT local marker benthic foram increase	DEF AT 1
7470 / 7467	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 1
7620 / 7617	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
7770 / 7767	DEF AT - - - - -	DEF AT 1
8100 / 8097	POS AT local marker planktic foram increase	DEF AT 1
8400 / 8397	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 1
8490 / 8487	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 1
9360 / 9357	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 1
9450 / 9447	POS AT local marker benthic foram increase	DEF AT 1
9660 / 9657	DEF AT - - - - -	DEF AT 2
9750 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 298	Date of Summary: 20-OCT-1994	First Sample Examined: 6000
Lease Number: G13782	Source of Paleo: OPERATOR	Borehole MD: 11936
Well Name: A001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 10100
API Well Number: 427064035300	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 97
Paleo Report Num: 1 of 2	Sample Range: 6000 - 9480	Water Depth: 63
Public Info Code: Y 27-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5973	DEF AT first sample examined	DEF AT 1
6001 / 5974	DEF IN Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 1
6150 / 6110	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 1
6300 / 6241	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 1
6330 / 6267	DEF AT -----	DEF AT 2
6450 / 6368	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
6451 / 6369	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6600 / 6489	DEF AT -----	DEF AT 1
6690 / 6559	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 1
7170 / 6910	DEF AT -----	DEF AT 2
7320 / 7013	DEF AT -----	DEF AT 1
8010 / 7477	POS AT unconformity	POS AT 2
8040 / 7498	DEF AT -----	DEF AT 1
8160 / 7579	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 1
8400 / 7737	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 1
9150 / 8221	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 1
9330 / 8340	DEF AT -----	DEF AT 2
9390 / 8381	POS AT gray shale	DEF AT 2
9480 / 8442	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 298	Date of Summary: 20-OCT-1994	First Sample Examined: 9480
Lease Number: G13782	Source of Paleo: OPERATOR	Borehole MD: 11936
Well Name: A001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 10100
API Well Number: 427064035300	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 97
Paleo Report Num: 2 of 2	Sample Range: 9480 - 11970	Water Depth: 63
Public Info Code: Y 27-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 8442	DEF AT first sample examined	DEF AT 2
9870 / 8713	DEF AT gray shale	DEF AT 2
9960 / 8777	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
11490 / 9849	DEF AT local marker foram decrease	POS AT 2
11580 / 9900	DEF AT local marker foram increase	DEF AT 1
11760 /10002	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
11790 /10018	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 1
11820 /10035	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 1
11970 /	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 298	Date of Summary: 18-JUL-2001	First Sample Examined: 0
Lease Number: G13782	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11620
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10030
API Well Number: 427064039900	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 63
Public Info Code: Y 27-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6548 / 5996	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
7235 / 6507	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8320 / 7358	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 301	Date of Summary: 16-APR-1996	First Sample Examined: 0
Lease Number: G12502	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13250
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11886
API Well Number: 427064037700	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 06-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10677 / 9577	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11436 /10249	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 301	Date of Summary: 19-MAY-1998	First Sample Examined: 0
Lease Number: G12502	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11653
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 11203
API Well Number: 427064041000	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 63
Public Info Code: Y 08-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8118 / 7950	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11000 /10610	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 301	Date of Summary: 07-MAY-1996	First Sample Examined: 0
Lease Number: G14833	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13055
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11697
API Well Number: 427064038100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9402 / 8333	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11390 /10144	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 301	<b>Date of Summary:</b> 30-NOV-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14833	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13915
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11427
<b>API Well Number:</b> 427064036700	<b>Drilling Operator:</b> APACHE CORPORATION	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 61
<b>Public Info Code:</b> Y 07-SEP-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8390 / 8027	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9640 / 8791	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11940 / 10202	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 301	Date of Summary: 06-MAY-1998	First Sample Examined: 0
Lease Number: G14833	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14236
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11502
API Well Number: 427064040500	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 23-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13717 /11178	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 303	Date of Summary: 08-MAY-1997	First Sample Examined: 2570
Lease Number: G04565	Source of Paleo: OPERATOR	Borehole MD: 7000
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7000
API Well Number: 427064039500	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 2510 - 7000	Water Depth: 65
Public Info Code: Y 24-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2510 / 2510	DEF AT first sample examined	DEF AT 2
2960 / 2960	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
5660 / 5659	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6830 / 6829	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7000 / 6999	DEF AT last sample examined	DEF AT 2



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 303  
Lease Number: G04565  
Well Name: A002  
API Well Number: 427064039800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 18-JUN-2007

Date of Summary: 16-JUN-1997  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC  
Sample Range: 4000 - 10331  
Ecozone Eq MMS: Y

First Sample Examined: 4000  
Borehole MD: 10331  
Borehole TVD: 9901  
Rkb Elevation: 139  
Water Depth: 65  
Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT first sample examined	DEF AT 1
4870 / 4868	DEF AT faunal change (no faunal increase)	DEF AT 2
7780 / 7503	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
8170 / 7859	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
8200 / 7887	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
9100 / 8724	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
9730 / 9321	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
10331 / 9901	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA 303	<b>Date of Summary:</b> 08-NOV-1996	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G04565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9350
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9350
<b>API Well Number:</b> 427064039000	<b>Drilling Operator:</b> BURLINGTON RESOURCES OFFSHORE INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4000 - 9370	<b>Water Depth:</b> 64
<b>Public Info Code:</b> Y 18-OCT-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT 1
6400 / 6399	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7000 / 6999	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
7180 / 7179	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
7930 / 7929	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8500 / 8499	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
9370 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 321	Date of Summary: 26-JUN-1990	First Sample Examined: 0
Lease Number: G11316	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9360
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9360
API Well Number: 427064026700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 66
Public Info Code: Y 19-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7726 / 7725	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9360 / 9359	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 329	Date of Summary: 01-AUG-2002	First Sample Examined: 4500
Lease Number: G20626	Source of Paleo: OPERATOR	Borehole MD: 13512
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13122
API Well Number: 427064043400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4500 - 13530	Water Depth: 52
Public Info Code: Y 27-NOV-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 2
4530 / 4530	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 2
4620 / 4620	DEF AT -----	DEF AT 1
4980 / 4980	DEF AT -----	DEF AT 2
5010 / 5010	DEF AT -----	DEF AT 1
5100 / 5100	DEF AT -----	DEF AT 2
5340 / 5340	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5730 / 5730	DEF AT -----	DEF AT 1
5790 / 5790	DEF AT -----	DEF AT 2
6000 / 6000	DEF AT -----	DEF AT 2
6210 / 6210	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 2
6360 / 6360	DEF AT -----	DEF AT 2
6840 / 6840	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
6930 / 6930	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7500 / 7500	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
7530 / 7530	DEF AT -----	DEF AT 1
7620 / 7620	DEF AT -----	DEF AT 2
7770 / 7770	DEF AT deepwater facies Harang	DEF AT 4
7860 / 7860	DEF AT -----	DEF IN 4
8010 / 8010	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
8250 / 8249	POS IN Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 4
8280 / 8279	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 329	Date of Summary: 01-AUG-2002	First Sample Examined: 4500
Lease Number: G20626	Source of Paleo: OPERATOR	Borehole MD: 13512
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13122
API Well Number: 427064043400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4500 - 13530	Water Depth: 52
Public Info Code: Y 27-NOV-2002	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8310 / 8309	DEF AT -----	DEF AT 3
8370 / 8369	DEF AT -----	DEF IN 3
8610 / 8608	DEF AT local marker benthic foram increase	DEF IN 3
8849 / 8843	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
8850 / 8844	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
9030 / 9016	DEF AT Eggerella sp. (local marker)	DEF AT 4
9210 / 9186	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9510 / 9465	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
9570 / 9520	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
10000 / 9912	DEF AT -----	DEF AT 3
10120 /10021	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10240 /10131	DEF AT foram flood	DEF AT 3
10840 /10681	DEF AT -----	DEF AT 4
10900 /10736	POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 4
11650 /11424	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
11950 /11698	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
12000 /11744	DEF AT -----	DEF IN 3
12090 /11826	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF IN 3
12150 /11881	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 3
13050 /12698	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF IN 3
13530 /	DEF AT last sample examined	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 343  
Lease Number: G06105  
Well Name: 010  
API Well Number: 427064037200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 20-OCT-2005

Date of Summary: 29-SEP-1995  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO CONTROL INC.  
Drilling Operator: WACKER OIL INC  
Sample Range: 6500 - 11500  
Ecozone Eq MMS: Y

First Sample Examined: 6500  
Borehole MD: 11500  
Borehole TVD: 11500  
Rkb Elevation: 96  
Water Depth: 72  
Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6500 / 6499	DEF AT first sample examined	DEF AT 1
6501 / 6500	POS IN Middle Miocene	DEF AT 1
6559 / 6558	POS AT unconformity	DEF AT 1
6560 / 6559	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 1
6590 / 6589	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 1
6620 / 6619	DEF AT -----	DEF IN 1
7040 / 7039	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
7070 / 7069	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 2
8030 / 8029	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 1
8330 / 8329	DEF AT -----	DEF IN 2
8480 / 8479	DEF AT -----	DEF AT 2
8630 / 8629	DEF AT -----	DEF IN 1
8720 / 8719	DEF AT -----	DEF AT 2
9200 / 9199	DEF AT -----	DEF IN 2
9350 / 9349	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 2
9700 / 9699	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
10040 / 10039	DEF AT -----	DEF AT 3
10700 / 10698	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
11500 / 11498	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 344	Date of Summary: 25-JAN-2006	First Sample Examined: 7500
Lease Number: G22214	Source of Paleo: OPERATOR	Borehole MD: 10682
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10531
API Well Number: 427064045101	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 7500 - 9300	Water Depth: 69
Public Info Code: Y 22-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7397	DEF AT first sample examined	DEF IN 3
7501 / 7398	DEF IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 3
7650 / 7540	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 3
7890 / 7771	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
7980 / 7858	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
9300 / 9160	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 357	Date of Summary: 28-JUN-1996	First Sample Examined: 0
Lease Number: G15759	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11618
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7183
API Well Number: 427064038300	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 103
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 31-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7360 / 4914	POS AT Upper (Late) Miocene	DEF AT
8820 / 5693	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9820 / 6224	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 357	Date of Summary: 01-JUL-1996	First Sample Examined: 10395
Lease Number: G15759	Source of Paleo: OPERATOR	Borehole MD: 11618
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 7183
API Well Number: 427064038300	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 103
Paleo Report Num: 2 of 2	Sample Range: 10395 - 11615	Water Depth: 92
Public Info Code: Y 31-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10395 / 6521	DEF AT first sample examined	DEF AT 2
10396 / 6521	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
10620 / 6640	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 2
10770 / 6720	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
10980 / 6833	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 2
11220 / 6967	DEF AT limestone	DEF AT 2
11460 / 7098	DEF AT - - - - -	DEF IN 2
11580 / 7165	DEF AT sandstone	DEF AT 2
11615 / 7184	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 362	Date of Summary: 25-JUL-1995	First Sample Examined: 0
Lease Number: G14841	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7130
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6764
API Well Number: 427064036600	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 76
Public Info Code: Y 12-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6784 /	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 363	Date of Summary: 18-OCT-1990	First Sample Examined: 0
Lease Number: G06113	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7925
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 7391
API Well Number: 427064025200	Drilling Operator: WACKER OIL INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 76
Public Info Code: Y 29-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7505 / 6971	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
7750 / 7216	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 389	Date of Summary: 31-JAN-2000	First Sample Examined: 0
Lease Number: G17133	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10448
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 8329
API Well Number: 427064042400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 97
Public Info Code: Y 28-JAN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5780 / 4815	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
6597 / 5437	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7917 / 6429	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10397 / 8293	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 394	Date of Summary: 24-FEB-1993	First Sample Examined: 6500
Lease Number: G13317	Source of Paleo: OPERATOR	Borehole MD: 9100
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 9100
API Well Number: 427064032700	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 6500 - 9100	Water Depth: 92
Public Info Code: Y 07-MAR-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 6499	DEF AT first sample examined	DEF AT 1
6501 / 6500	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 1
7400 / 7399	DEF AT pyrite	DEF AT 2
7401 / 7400	DEF AT local marker foram increase	DEF AT 2
7430 / 7429	DEF AT - - - - -	DEF AT 1
7940 / 7939	DEF AT gray shale	DEF AT 3
8240 / 8239	POS AT - - - - -	DEF AT 4
8270 / 8269	DEF AT poor sample interval top	POS AT 4
8719 / 8718	DEF AT poor sample interval bottom	DEF AT 1
8720 / 8719	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 1
8841 / 8840	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
9080 / 9079	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 394	Date of Summary: 18-SEP-1996	First Sample Examined: 0
Lease Number: G13317	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8750
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8748
API Well Number: 427064038400	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 89
Public Info Code: Y 07-MAR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8285 / 8283	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 395	Date of Summary: 11-OCT-2001	First Sample Examined: 0
Lease Number: G12508	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7801
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 7801
API Well Number: 427064043000	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 87
Public Info Code: Y 22-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7524 / 7524	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 395	Date of Summary: 17-MAY-1996	First Sample Examined: 0
Lease Number: G12508	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8508
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8507
API Well Number: 427064037400	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 89
Public Info Code: Y 22-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7960 / 7959	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 418	Date of Summary: 24-OCT-2001	First Sample Examined: 0
Lease Number: G18921	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8101
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8100
API Well Number: 427064042601	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 21-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7602 / 7601	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 420	Date of Summary: 31-JAN-1995	First Sample Examined: 7950
Lease Number: G14146	Source of Paleo: OPERATOR	Borehole MD: 12267
Well Name: A001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 9192
API Well Number: 427064035700	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 7950 - 12267	Water Depth: 94
Public Info Code: Y 07-OCT-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 10200=Bulimina falconensis acme

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7950 / 7117	DEF AT first sample examined	DEF AT 2
7980 / 7131	DEF AT - - - - -	DEF IN 1
9420 / 7828	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 1
10200 / 8222	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
10440 / 8340	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
10470 / 8355	DEF AT - - - - -	DEF IN 1
10890 / 8565	DEF AT sample gap top	POS IN 1
11340 / 8774	DEF AT sample gap bottom	DEF IN 1
11430 / 8814	POS AT Bathysiphon fauna	DEF AT 2
11910 / 9033	DEF AT - - - - -	DEF IN 1
12060 / 9100	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 1
12240 / 9180	DEF AT last sample examined	DEF IN 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA 420  
 Lease Number: G14146  
 Well Name: A002  
 API Well Number: 427064037500  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 07-OCT-2003

Date of Summary: 22-JUN-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: DEVON LOUISIANA CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11354  
 Borehole TVD: 9367  
 Rkb Elevation: 99  
 Water Depth: 97  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7387 / 6210	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8362 / 7001	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA A 50	Date of Summary: 08-JUL-1994	First Sample Examined: 0
Lease Number: G12520	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 2200
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 2200
API Well Number: 427064035100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 10-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1630 / 1630	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA A 50	<b>Date of Summary:</b> 14-OCT-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12520	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 3000
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 3000
<b>API Well Number:</b> 427064032800	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 126
<b>Public Info Code:</b> Y 13-OCT-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1633 / 1633	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GA A 145	Date of Summary: 17-NOV-1999	First Sample Examined: 1600
Lease Number: G20643	Source of Paleo: OPERATOR	Borehole MD: 17800
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17784
API Well Number: 427074010000	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 1600 - 17800	Water Depth: 159
Public Info Code: Y 31-DEC-2003	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

MD / TVD	Paleo Top Description	Ecozone
1600 / 1600	DEF AT first sample examined	DEF AT 3
2260 / 2260	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
2620 / 2620	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
3310 / 3310	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
4000 / 4000	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
4300 / 4300	DEF AT -----	DEF AT 5
5050 / 5050	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
5170 / 5170	DEF AT -----	DEF AT 4
5440 / 5440	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
5530 / 5530	DEF AT -----	DEF AT 3
5920 / 5920	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
6490 / 6490	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
7150 / 7150	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 3
8170 / 8170	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
9520 / 9520	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9850 / 9850	DEF AT -----	DEF AT 4
10720 /10720	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11410 /11410	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11650 /11650	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
12220 /12220	DEF AT -----	DEF AT 5
13570 /13570	DEF AT -----	DEF AT 6
13600 /13600	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6

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Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> GA A 145	<b>Date of Summary:</b> 17-NOV-1999	<b>First Sample Examined:</b> 1600
<b>Lease Number:</b> G20643	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17800
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17784
<b>API Well Number:</b> 427074010000	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 1600 - 17800	<b>Water Depth:</b> 159
<b>Public Info Code:</b> Y 31-DEC-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13930 /13930	DEF AT -----	DEF AT 5
14530 /14529	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
14590 /14589	DEF AT -----	DEF AT 6
17800 /17784	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA A 145	<b>Date of Summary:</b> 21-FEB-2000	<b>First Sample Examined:</b> 1600
<b>Lease Number:</b> G20643	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17800
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17784
<b>API Well Number:</b> 427074010000	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1600 - 17800	<b>Water Depth:</b> 159
<b>Public Info Code:</b> Y 31-DEC-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1600 / 1600	DEF AT first sample examined	DEF AT
1810 / 1810	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
2200 / 2200	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
2560 / 2560	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
2650 / 2650	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
2830 / 2830	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
3400 / 3400	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
3610 / 3610	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
3820 / 3820	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
4520 / 4520	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
4890 / 4890	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
5230 / 5230	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
5860 / 5860	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6160 / 6160	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
6610 / 6610	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7510 / 7510	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7630 / 7630	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
8200 / 8200	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8830 / 8830	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9520 / 9520	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9610 / 9610	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
10840 / 10840	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA A 145	<b>Date of Summary:</b> 21-FEB-2000	<b>First Sample Examined:</b> 1600
<b>Lease Number:</b> G20643	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17800
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17784
<b>API Well Number:</b> 427074010000	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1600 - 17800	<b>Water Depth:</b> 159
<b>Public Info Code:</b> Y 31-DEC-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11800 /11800	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
13510 /13510	DEF AT poor sample interval top	DEF AT
17799 /17783	DEF AT poor sample interval bottom	DEF AT
17800 /17784	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA A 177	<b>Date of Summary:</b> 06-MAR-2006	<b>First Sample Examined:</b> 509
<b>Lease Number:</b> G24387	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 1300
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 1300
<b>API Well Number:</b> 427074010500	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 509 - 1300	<b>Water Depth:</b> 195
<b>Public Info Code:</b> Y 30-SEP-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
509 / 509	DEF AT first sample examined	DEF AT 3
510 / 510	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
680 / 680	DEF AT - - - - -	DEF AT 2
1100 / 1100	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
1300 / 1300	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA A203	<b>Date of Summary:</b> 07-MAR-2006	<b>First Sample Examined:</b> 483
<b>Lease Number:</b> G26502	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 1200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 1200
<b>API Well Number:</b> 427074010400	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 483 - 1190	<b>Water Depth:</b> 191
<b>Public Info Code:</b> Y 19-JAN-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
483 / 483	DEF AT first sample examined	DEF AT 2
980 / 980	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
1190 / 1190	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GA A224	<b>Date of Summary:</b> 12-DEC-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G22226	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6317
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6317
<b>API Well Number:</b> 427074010200	<b>Drilling Operator:</b> WALTER OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 325
<b>Public Info Code:</b> Y 13-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6146 / 6146	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 22	Date of Summary: 12-JUL-2005	First Sample Examined: 4450
Lease Number: G14209	Source of Paleo: OPERATOR	Borehole MD: 9296
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9180
API Well Number: 608074026900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 4450 - 9295	Water Depth: 450
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4450 / 4450	DEF AT first sample examined	DEF AT 3
4451 / 4451	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5440 / 5440	POS AT maximum flooding surface	DEF AT 3
7630 / 7620	POS AT local marker deep water fauna	DEF AT 4
7870 / 7854	POS AT maximum flooding surface	DEF AT 5
7898 / 7881	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7899 / 7882	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
7900 / 7883	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7990 / 7970	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
8499 / 8450	POS AT maximum flooding surface	DEF AT 5
8500 / 8451	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8620 / 8561	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9130 / 9028	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9295 / 9179	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 22	<b>Date of Summary:</b> 12-JUL-2005	<b>First Sample Examined:</b> 4450
<b>Lease Number:</b> G14209	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9296
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9180
<b>API Well Number:</b> 608074026900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4450 - 9295	<b>Water Depth:</b> 450
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4450 / 4450	DEF AT first sample examined	DEF AT
5350 / 5350	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7900 / 7883	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8110 / 8085	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8560 / 8506	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9295 / 9179	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 70	Date of Summary: 24-JUL-1990	First Sample Examined: 0
Lease Number: G09200	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11200
API Well Number: 608074007000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 755
Public Info Code: Y 03-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5220 / 5220	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9030 / 9030	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10860 /10859	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 70	Date of Summary: 03-SEP-1993	First Sample Examined: 0
Lease Number: G09200	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11410
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10862
API Well Number: 608074011700	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 744
Public Info Code: Y 27-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10994 /10494	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 70	<b>Date of Summary:</b> 23-JUN-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09201	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14754
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11451
<b>API Well Number:</b> 608074006600	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 745
<b>Public Info Code:</b> Y 24-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5670 / 5303	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
12330 / 9434	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
14130 /10888	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14520 /11242	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 70	Date of Summary: 27-JUL-1995	First Sample Examined: 0
Lease Number: G09201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10070
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9230
API Well Number: 608074013000	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 750
Public Info Code: Y 27-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8573 / 7819	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 72	Date of Summary: 24-MAY-1996	First Sample Examined: 0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5557
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5504
API Well Number: 608074014600	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 517
Public Info Code: Y 19-MAY-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4850 / 4799	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 72	Date of Summary: 02-MAY-1996	First Sample Examined: 0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5730
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5626
API Well Number: 608074014700	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 151
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 668
Public Info Code: Y 29-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5116 / 5043	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 72	Date of Summary: 18-NOV-1996	First Sample Examined: 0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7015
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 6198
API Well Number: 608074015300	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 150
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 517
Public Info Code: Y 25-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5830 / 5197	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 72	Date of Summary: 06-JAN-1997	First Sample Examined: 0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5833
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 5444
API Well Number: 608074015500	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 151
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 520
Public Info Code: Y 12-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4956 / 4636	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 73	Date of Summary: 05-MAY-2000	First Sample Examined: 0
Lease Number: G20776	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 4500
API Well Number: 608074021200	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 745
Public Info Code: Y 31-DEC-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2640 / 2640	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3250 / 3250	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3960 / 3960	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 74	<b>Date of Summary:</b> 03-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17284	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6928
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6926
<b>API Well Number:</b> 608074021400	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 589
<b>Public Info Code:</b> Y 31-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1880 / 1880	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
3140 / 3140	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3860 / 3860	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4850 / 4850	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5480 / 5480	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5930 / 5930	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6020 / 6020	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6650 / 6649	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 83	Date of Summary: 10-DEC-1990	First Sample Examined: 1550
Lease Number: G11450	Source of Paleo: OPERATOR	Borehole MD: 8913
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6706
API Well Number: 608074080600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 1550 - 8900	Water Depth: 485
Public Info Code: Y 06-MAY-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1550 / 1544	DEF AT first sample examined	POS AT 5
2270 / 2213	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	POS AT 5
8900 / 6696	DEF AT last sample examined	POS AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 117	<b>Date of Summary:</b> 25-OCT-1994	<b>First Sample Examined:</b> 4660
<b>Lease Number:</b> G12631	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17552
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15288
<b>API Well Number:</b> 608074013500	<b>Drilling Operator:</b> TATHAM OFFSHORE INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4660 - 17530	<b>Water Depth:</b> 922
<b>Public Info Code:</b> Y 08-NOV-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4660 / 4573	DEF AT first sample examined	DEF AT 3
5380 / 5174	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6700 / 6281	DEF AT - - - - -	DEF AT 4
10600 / 9475	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
14020 /12330	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16059 /14072	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
16060 /14073	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17530 /15271	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 117	Date of Summary: 25-OCT-1994	First Sample Examined: 4660
Lease Number: G12631	Source of Paleo: OPERATOR	Borehole MD: 17552
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15288
API Well Number: 608074013500	Drilling Operator: TATHAM OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 4660 - 17530	Water Depth: 922
Public Info Code: Y 08-NOV-2004	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4660 / 4573	DEF AT first sample examined	DEF AT
6460 / 6081	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9040 / 8215	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9100 / 8264	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11050 / 9833	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11950 /10582	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12310 /10887	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13930 /12254	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14020 /12330	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14140 /12432	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16480 /14430	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17530 /15271	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 117	<b>Date of Summary:</b> 20-FEB-1997	<b>First Sample Examined:</b> 13550
<b>Lease Number:</b> G12631	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16297
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14001
<b>API Well Number:</b> 608074014900	<b>Drilling Operator:</b> FLEXTREND DEVELOPMENT COMPANY LLC	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13550 - 16280	<b>Water Depth:</b> 924
<b>Public Info Code:</b> Y 28-NOV-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13550 /11774	DEF AT first sample examined	DEF AT
13610 /11824	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13670 /11873	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13760 /11947	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15590 /13437	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16280 /13987	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 117	<b>Date of Summary:</b> 20-FEB-1997	<b>First Sample Examined:</b> 13550
<b>Lease Number:</b> G12631	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16297
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14001
<b>API Well Number:</b> 608074014900	<b>Drilling Operator:</b> FLEXTREND DEVELOPMENT COMPANY LLC	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13550 - 16280	<b>Water Depth:</b> 924
<b>Public Info Code:</b> Y 28-NOV-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13550 /11774	DEF AT first sample examined	DEF IN 5
13640 /11848	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13880 /12045	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 5
15470 /13340	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15920 /13700	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF IN 5
15980 /13748	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
16070 /13820	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
16280 /13987	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 117	Date of Summary: 20-FEB-1997	First Sample Examined: 14990
Lease Number: G12631	Source of Paleo: OPERATOR	Borehole MD: 17517
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15940
API Well Number: 608074014901	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 102
Paleo Report Num: 1 of 2	Sample Range: 14990 - 17510	Water Depth: 924
Public Info Code: Y 15-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14990 /13461	DEF AT first sample examined	DEF AT
15530 /13990	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16520 /14964	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16580 /15022	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16700 /15140	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16820 /15257	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17180 /15609	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
17210 /15639	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17240 /15668	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17330 /15756	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17510 /15933	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 117	Date of Summary: 20-FEB-1997	First Sample Examined: 14990
Lease Number: G12631	Source of Paleo: OPERATOR	Borehole MD: 17517
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15940
API Well Number: 608074014901	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 102
Paleo Report Num: 2 of 2	Sample Range: 14990 - 17510	Water Depth: 924
Public Info Code: Y 15-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14990 /13461	DEF AT first sample examined	DEF IN 5
15530 /13990	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15560 /14020	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
15830 /14285	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
16130 /14580	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
16159 /14609	DEF AT Bathysiphon fauna	DEF IN 5
16160 /14610	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
16580 /15022	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
16610 /15052	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
16700 /15140	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
16790 /15228	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
16940 /15375	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
17329 /15755	DEF AT gouge	DEF AT 6
17330 /15756	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
17510 /15933	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 117	<b>Date of Summary:</b> 20-FEB-1997	<b>First Sample Examined:</b> 11005
<b>Lease Number:</b> G12631	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13947
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12102
<b>API Well Number:</b> 608074014970	<b>Drilling Operator:</b> FLEXTREND DEVELOPMENT COMPANY LLC	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11005 - 13940	<b>Water Depth:</b> 924
<b>Public Info Code:</b> Y 30-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11005 / 9681	DEF AT first sample examined	POS AT 5
11090 / 9751	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11180 / 9826	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
11930 /10443	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
12140 /10617	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
12350 /10790	DEF AT local marker planktic foram increase	DEF IN 5
13670 /11875	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13699 /11898	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13700 /11899	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 5
13940 /12096	DEF AT last sample examined	DEF IN 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 117	<b>Date of Summary:</b> 20-FEB-2009	<b>First Sample Examined:</b> 11005
<b>Lease Number:</b> G12631	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13947
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12102
<b>API Well Number:</b> 608074014970	<b>Drilling Operator:</b> FLEXTREND DEVELOPMENT COMPANY LLC	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11005 - 13940	<b>Water Depth:</b> 924
<b>Public Info Code:</b> Y 30-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11005 / 9681	DEF AT first sample examined	DEF AT
11090 / 9751	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11900 /10418	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12560 /10963	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13100 /11406	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
13520 /11751	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13670 /11875	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13820 /11998	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13940 /12096	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 02-JUN-1998	First Sample Examined: 0
Lease Number: G11454	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16952
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13352
API Well Number: 608074017402	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 633
Public Info Code: Y 24-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: 5710=top of chaotic zone, 8570=bottom of chaotic zone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12820 / 9333	DEF AT salt	DEF AT
14166 /10572	DEF AT base of salt	DEF AT
14560 /10961	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14740 /11141	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14845 /11246	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 26-JUL-1994	First Sample Examined: 5289
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 18454
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17478
API Well Number: 608074081300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 5289 - 18454	Water Depth: 705
Public Info Code: Y 20-JUL-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Enchilada Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5289 / 5289	DEF AT first sample examined	DEF AT 3
5350 / 5350	DEF IN Illinoian fauna (local marker)	DEF AT 3
5440 / 5440	DEF AT local marker foram increase	DEF AT 4
5560 / 5560	DEF AT local marker foram increase	DEF AT 4
5800 / 5800	DEF AT faunal change (no faunal increase)	DEF AT 3
6400 / 6400	DEF AT transported shelf fauna	DEF AT 3
6850 / 6850	DEF AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 3
6879 / 6879	DEF AT Lower Pleistocene (Calabrian) <i>Globorotalia incisa</i>	DEF AT 4
6880 / 6880	DEF AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens</i> (acme "A")	DEF AT 4
6910 / 6910	DEF AT faunal change (no faunal increase)	DEF AT 3
7180 / 7180	DEF AT Lower Pleistocene (Calabrian) <i>Hyalinea "B" = Trimosina "B"</i>	DEF AT 4
7240 / 7240	DEF AT pyrite	DEF AT 4
7300 / 7300	DEF AT faunal change (no faunal increase)	DEF AT 3
7630 / 7627	DEF AT oxidized shale	DEF AT 3
7690 / 7686	DEF AT local marker foram increase	DEF AT 4
7720 / 7715	DEF AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens</i> (acme "B")	DEF AT 4
7750 / 7744	DEF AT pyrite	DEF AT 4
7780 / 7774	DEF AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 4
7870 / 7861	DEF AT faunal change (no faunal increase)	DEF IN 3
7930 / 7918	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia praehirsuta</i>	DEF IN 3
8290 / 8254	DEF AT pyrite	DEF AT 2
8440 / 8391	DEF AT local marker foram increase	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 26-JUL-1994	First Sample Examined: 5289
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 18454
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17478
API Well Number: 608074081300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 5289 - 18454	Water Depth: 705
Public Info Code: Y 20-JUL-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8890 / 8797	DEF AT faunal change (no faunal increase)	DEF AT 4
8920 / 8823	POS AT reworked material	DEF AT 4
8950 / 8850	DEF AT reworked material	DEF AT 4
8980 / 8876	DEF AT faunal change (no faunal increase)	DEF AT 3
9310 / 9170	DEF AT faunal change (no faunal increase)	DEF AT 4
9340 / 9197	DEF AT faunal change (no faunal increase)	DEF AT 3
9790 / 9599	DEF AT faunal change (no faunal increase)	DEF AT 4
9940 / 9732	DEF AT local marker foram increase	DEF AT 4
10000 / 9786	DEF AT faunal change (no faunal increase)	DEF AT 3
11080 /10755	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
11410 /11060	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
11470 /11115	DEF AT faunal change (no faunal increase)	DEF AT 4
11500 /11142	DEF AT faunal change (no faunal increase)	DEF AT 3
11650 /11278	DEF AT faunal change (no faunal increase)	DEF AT 2
11890 /11494	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 3
12550 /12082	DEF AT cement	POS AT 3
12700 /12214	POS AT reworked material	POS AT 3
12791 /12293	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
13060 /12528	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 2
13480 /12898	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 2
13660 /13057	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
13780 /13163	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
13900 /13271	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 2
14290 /13623	DEF AT Bathysiphon fauna	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 26-JUL-1994	First Sample Examined: 5289
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 18454
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17478
API Well Number: 608074081300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 5289 - 18454	Water Depth: 705
Public Info Code: Y 20-JUL-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14350 /13677	POS AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF IN 3
14440 /13758	DEF AT Bathysiphon fauna	DEF IN 3
14560 /13868	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 4
14860 /14142	DEF AT Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF IN 3
15070 /14335	DEF AT Arenaceous fauna (local marker)	DEF IN 3
15100 /14363	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druyi</i> / nepenthes "B"	DEF AT 4
15280 /14529	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF IN 3
15310 /14557	DEF AT local marker foram increase	DEF IN 4
15340 /14585	DEF AT foram flood	DEF IN 4
15400 /14640	DEF AT faunal change (no faunal increase)	DEF IN 3
15430 /14668	DEF AT Lower Pliocene (Zanclian) <i>Siphotextularia jugosa</i> / "J"	DEF AT 4
15790 /15002	DEF AT faunal change (no faunal increase)	DEF AT 4
15910 /15113	DEF AT Bathysiphon fauna	DEF AT 4
15940 /15141	POS AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF AT 4
16090 /15281	DEF AT faunal change (no faunal increase)	DEF AT 3
16300 /15476	DEF AT Lower Pliocene (Zanclian) <i>Sphaeroidinellopsis multiloba</i>	DEF AT 4
16420 /15588	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF IN 4
16450 /15616	DEF AT faunal change (no faunal increase)	DEF AT 3
17050 /16175	DEF AT Upper Miocene (Messinian) <i>Globorotalia margaritae primitiva</i>	DEF AT 3
17170 /16287	DEF AT <i>Eggerella</i> sp. (local marker)	DEF AT 3
17200 /16314	DEF AT Arenaceous fauna (local marker)	DEF AT 3
17470 /16566	DEF AT Upper Miocene (Messinian) <i>Textularia tatumi</i>	DEF IN 3
17920 /16984	DEF AT Upper Miocene (Messinian) <i>Globorotalia juanai</i>	DEF AT 4
18070 /17123	DEF AT Upper Miocene (Messinian) <i>Bolivina denticulata</i>	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 128	<b>Date of Summary:</b> 26-JUL-1994	<b>First Sample Examined:</b> 5289
<b>Lease Number:</b> G11455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18454
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17478
<b>API Well Number:</b> 608074081300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5289 - 18454	<b>Water Depth:</b> 705
<b>Public Info Code:</b> Y 20-JUL-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18160 /17206	DEF AT faunal change (no faunal increase)	DEF AT 3
18310 /17345	DEF AT last sample examined	DEF AT 3

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 128	<b>Date of Summary:</b> 26-JUL-1995	<b>First Sample Examined:</b> 5289
<b>Lease Number:</b> G11455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18454
<b>Well Name:</b> 001	<b>Paleo Done By:</b> LAURALEE R. REUGGER	<b>Borehole TVD:</b> 17478
<b>API Well Number:</b> 608074081300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5289 - 18454	<b>Water Depth:</b> 705
<b>Public Info Code:</b> Y 20-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Enchilada Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5289 / 5289	DEF AT first sample examined	DEF AT
5290 / 5290	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5380 / 5380	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6880 / 6880	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7240 / 7240	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7720 / 7715	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7990 / 7975	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
8230 / 8198	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8440 / 8391	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8800 / 8716	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11410 /11060	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11500 /11142	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13450 /12871	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14320 /13650	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14680 /13977	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14830 /14115	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
16630 /15784	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18010 /17068	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18454 /17478	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 12-JUN-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 1 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2050 / 2050	DEF AT first sample examined	DEF AT 1
2320 / 2320	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
3760 / 3734	DEF AT -----	DEF AT 2
3820 / 3790	DEF AT -----	DEF AT 3
4270 / 4207	DEF AT -----	DEF AT 2
4480 / 4391	DEF AT -----	DEF AT 3
4690 / 4568	DEF AT -----	DEF AT 4
4840 / 4690	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5230 / 4978	DEF AT -----	DEF AT 3
5950 / 5438	DEF AT -----	DEF AT 2
5980 / 5456	DEF AT -----	DEF AT 3
6040 / 5494	DEF AT local marker foram increase	DEF AT 3
6430 / 5737	DEF AT -----	DEF AT 3
7270 / 6267	DEF AT -----	DEF AT 2
7390 / 6346	DEF AT local marker foram increase	DEF AT 3
7450 / 6385	DEF AT local marker planktic foram increase	DEF AT 4
7630 / 6501	DEF AT -----	DEF AT 3
8590 / 7117	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
8770 / 7236	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
9220 / 7530	DEF AT -----	DEF AT 3
9310 / 7586	DEF AT -----	DEF AT 4
9520 / 7719	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128  
Lease Number: G11455  
Well Name: A001  
API Well Number: 608074082000  
Paleo Report Num: 1 of 6  
Public Info Code: Y 14-DEC-2006

Date of Summary: 12-JUN-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 2050 - 14380  
Ecozone Eq MMS: Y

First Sample Examined: 2050  
Borehole MD: 16535  
Borehole TVD: 12213  
Rkb Elevation: 72  
Water Depth: 663  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9580 / 7757	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9820 / 7913	DEF AT -----	DEF AT 3
9850 / 7933	DEF AT -----	DEF AT 4
9970 / 8011	DEF AT -----	DEF AT 3
10000 / 8030	DEF AT -----	DEF AT 4
10210 / 8165	DEF AT -----	DEF AT 3
10450 / 8322	DEF AT -----	DEF AT 4
10570 / 8397	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10600 / 8415	DEF AT local marker foram increase	DEF IN 4
10660 / 8452	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10990 / 8648	DEF AT local marker planktic foram increase	DEF AT 5
11050 / 8686	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11200 / 8782	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
11230 / 8802	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11650 / 9072	DEF AT -----	DEF IN 4
12879 / 9882	DEF AT base of salt	POS AT 4
12880 / 9883	DEF AT local marker foram increase	DEF AT 4
12940 / 9921	DEF AT -----	DEF IN 4
13000 / 9959	DEF AT -----	DEF AT 5
13349 /10185	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
13420 /10231	DEF AT -----	DEF AT 4
13690 /10407	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
13750 /10447	DEF AT -----	DEF IN 4
13825 /10498	DEF AT cement	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 128	<b>Date of Summary:</b> 12-JUN-1996	<b>First Sample Examined:</b> 2050
<b>Lease Number:</b> G11455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16535
<b>Well Name:</b> A001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12213
<b>API Well Number:</b> 608074082000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 6	<b>Sample Range:</b> 2050 - 14380	<b>Water Depth:</b> 663
<b>Public Info Code:</b> Y 14-DEC-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14110 /10691	DEF AT -----	DEF IN 4
14380 /10867	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 04-OCT-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 2 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
2050 / 2050	DEF AT first sample examined	DEF AT
7420 / 6366	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8590 / 7117	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9370 / 7624	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9550 / 7738	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10600 / 8415	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10930 / 8612	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11140 / 8743	DEF IN Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
11350 / 8880	DEF AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
11470 / 8956	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11700 / 9103	DEF AT salt	DEF AT
12880 / 9883	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13750 / 10447	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14380 / 10867	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 08-OCT-1996	First Sample Examined: 13540
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 3 of 6	Sample Range: 13540 - 16540	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Bypass report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13540 /10308	DEF AT first sample examined	DEF AT 4
13630 /10367	DEF AT faunal change (no faunal increase)	DEF AT 3
13660 /10387	DEF AT faunal change (no faunal increase)	DEF AT 3
13690 /10407	DEF AT faunal change (no faunal increase)	DEF AT 4
13720 /10427	DEF AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 4
14110 /10691	DEF AT faunal change (no faunal increase)	DEF AT 3
14470 /10923	POS AT Upper Pliocene (Gelasian) <i>Cristellaria "S"</i>	DEF IN 3
14560 /10976	DEF AT faunal change (no faunal increase)	DEF AT 4
14680 /11043	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia menardii</i> (coiling change left/right)	DEF AT 4
14920 /11169	DEF IN Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 4
14950 /11185	DEF AT Upper Pliocene (Piacenzian) <i>Ceratobulimina pacifica</i>	DEF AT 4
15430 /11481	DEF AT faunal change (no faunal increase)	DEF IN 3
15460 /11501	DEF AT faunal change (no faunal increase)	DEF AT 4
16540 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 128	<b>Date of Summary:</b> 28-NOV-1996	<b>First Sample Examined:</b> 2050
<b>Lease Number:</b> G11455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16535
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12213
<b>API Well Number:</b> 608074082000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 4 of 6	<b>Sample Range:</b> 2050 - 14380	<b>Water Depth:</b> 663
<b>Public Info Code:</b> Y 14-DEC-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 006

**Remark:** Enchilada Prospect, company-integrated foram and nanno report, 12880=inverted section at or below *Textularia tatumi*, 13750=base of inverted section, in *Discoaster brouweri*

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2050 / 2050	DEF AT first sample examined	POS IN 2
2320 / 2320	POS IN Upper Pleistocene (Ionian) Sangamon fauna	DEF IN 2
3340 / 3334	DEF AT Upper Pleistocene (Ionian) <i>Globorotalia flexuosa</i>	DEF IN 3
4690 / 4568	DEF AT Middle Pleistocene (Ionian) <i>Globorotalia truncatulinoides</i> (coiling change right/left)	DEF AT 4
4720 / 4593	DEF AT Middle Pleistocene (Ionian) <i>Trimosina "A"</i>	DEF AT 4
4840 / 4690	DEF IN Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 4
7420 / 6366	DEF AT Lower Pleistocene (Calabrian) <i>Pseudoemiliana lacunosa "C"</i> (acme)	DEF IN 3
8590 / 7117	DEF AT Lower Pleistocene (Calabrian) <i>Calcidiscus macintyreii</i>	DEF AT 4
8770 / 7236	POS AT Upper Pliocene (Gelasian) <i>Cristellaria "S"</i>	DEF AT 4
9370 / 7624	POS AT Upper Pliocene (Gelasian) <i>Discoaster pentaradiatus</i>	DEF AT 4
9519 / 7718	DEF IN Upper Pliocene (Gelasian) <i>Discoaster pentaradiatus</i>	DEF AT 4
9520 / 7719	DEF IN Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 4
9550 / 7738	DEF AT Upper Pliocene (Gelasian) <i>Discoaster surculus</i>	DEF AT 4
9580 / 7757	DEF IN Upper Pliocene (Piacenzian) <i>Ceratobulimina pacifica</i>	DEF AT 4
10570 / 8397	DEF IN Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 4
10600 / 8415	DEF IN Upper Pliocene (Piacenzian) <i>Discoaster tamalis</i>	DEF AT 4
10660 / 8452	DEF IN Upper Pliocene (Piacenzian) <i>Sphaeroidinellopsis seminulina</i>	DEF AT 4
10930 / 8612	POS AT Lower Pliocene (Zanclian) <i>Dictyococcites antarcticus</i>	DEF AT 4
11050 / 8686	DEF IN Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF AT 4
11140 / 8743	DEF IN Lower Pliocene (Zanclian) <i>Sphenolithus grandis</i>	DEF AT 4
11200 / 8782	DEF IN Lower Pliocene (Zanclian) <i>Globigerina druryi / nepenthes "B"</i>	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 28-NOV-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 4 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 006

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11230 / 8802	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11350 / 8880	DEF AT Lower Pliocene (Zanclian) Discoaster challenger	DEF AT 4
11470 / 8956	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
11700 / 9103	DEF AT salt	POS AT 4
12879 / 9882	DEF AT base of salt	DEF AT 4
12880 / 9883	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
12924 / 9911	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
13349 /10185	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
13690 /10407	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
13750 /10447	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14380 /10867	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 128	<b>Date of Summary:</b> 28-NOV-1996	<b>First Sample Examined:</b> 13540
<b>Lease Number:</b> G11455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16535
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12213
<b>API Well Number:</b> 608074082000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 5 of 6	<b>Sample Range:</b> 13540 - 16535	<b>Water Depth:</b> 663
<b>Public Info Code:</b> Y 14-DEC-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 007

**Remark:** Enchilada Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13540 /10308	DEF AT first sample examined	DEF AT 4
13541 /10309	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
13750 /10447	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14560 /10976	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14890 /11154	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
14920 /11169	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14950 /11185	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
15790 /11728	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
16535 /12213	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 128	<b>Date of Summary:</b> 02-DEC-1996	<b>First Sample Examined:</b> 13540
<b>Lease Number:</b> G11455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16535
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12213
<b>API Well Number:</b> 608074082000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 6 of 6	<b>Sample Range:</b> 13540 - 16535	<b>Water Depth:</b> 663
<b>Public Info Code:</b> Y 14-DEC-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13540 /10308	DEF AT first sample examined	DEF AT
13541 /10309	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13750 /10447	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14560 /10976	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14890 /11154	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15790 /11728	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16535 /12213	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 15-JAN-1999	First Sample Examined: 0
Lease Number: G11455	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17197
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 12867
API Well Number: 608074018600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 633
Public Info Code: Y 15-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13580 / 9316	DEF AT salt	DEF AT
14063 / 9791	DEF AT base of salt	DEF AT
15277 /11001	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 28-AUG-1998	First Sample Examined: 0
Lease Number: G11455	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15634
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 12100
API Well Number: 608074018300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 663
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12595 / 9108	DEF AT salt	DEF AT
13125 / 9608	DEF AT base of salt	DEF AT
14624 /11090	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

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End Date: 01-DEC-2016

Area Block: GB 128	Date of Summary: 01-MAY-1999	First Sample Examined: 13500
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 14742
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 11931
API Well Number: 608074020300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 148
Paleo Report Num: 1 of 2	Sample Range: 13500 - 14740	Water Depth: 633
Public Info Code: Y 14-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Enchilada Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /10692	DEF AT first sample examined	DEF AT
13540 /10732	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13940 /11131	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14200 /11390	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14740 /11929	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 128	<b>Date of Summary:</b> 02-JUN-1999	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G11455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14742
<b>Well Name:</b> A008	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11931
<b>API Well Number:</b> 608074020300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 148
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12300 - 14740	<b>Water Depth:</b> 633
<b>Public Info Code:</b> Y 14-JUN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Enchilada Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /10692	DEF AT first sample examined	DEF AT 4
13540 /10732	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
13939 /11130	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
13940 /11131	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14200 /11390	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
14740 /11929	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 128	<b>Date of Summary:</b> 15-JUL-1999	<b>First Sample Examined:</b> 14100
<b>Lease Number:</b> G11455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17500
<b>Well Name:</b> A009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13749
<b>API Well Number:</b> 608074019800	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 148
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14100 - 17500	<b>Water Depth:</b> 633
<b>Public Info Code:</b> Y 22-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14100 /10350	DEF AT first sample examined	POS AT 5
14610 /10859	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 5
14970 /11219	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15000 /11249	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
15350 /11599	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
17130 /13379	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
17500 /13749	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 134	Date of Summary: 17-MAY-1996	First Sample Examined: 1770
Lease Number: G13366	Source of Paleo: OPERATOR	Borehole MD: 11396
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10076
API Well Number: 608074062900	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 2	Sample Range: 1770 - 11400	Water Depth: 520
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1770 / 1770	DEF AT first sample examined	DEF AT 2
1771 / 1771	DEF IN cement	DEF AT 2
1890 / 1890	POS AT -----	POS AT 3
2880 / 2835	DEF AT -----	DEF AT 4
3330 / 3223	DEF AT -----	DEF AT 5
4230 / 3979	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4650 / 4328	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7080 / 6315	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7230 / 6442	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8370 / 7430	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8610 / 7639	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8670 / 7692	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8910 / 7900	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
9329 / 8264	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9330 / 8265	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11160 / 9869	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11249 / 9947	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
11250 / 9948	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11309 /10000	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11310 /10001	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11400 /	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 134	Date of Summary: 17-MAY-1996	First Sample Examined: 1770
Lease Number: G13366	Source of Paleo: OPERATOR	Borehole MD: 11396
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10076
API Well Number: 608074062900	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 90
Paleo Report Num: 2 of 2	Sample Range: 1770 - 11400	Water Depth: 520
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1770 / 1770	DEF AT first sample examined	DEF AT
2850 / 2808	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4230 / 3979	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5220 / 4797	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7140 / 6366	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7230 / 6442	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8610 / 7639	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8700 / 7718	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8940 / 7926	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11159 / 9868	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11160 / 9869	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11249 / 9947	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11250 / 9948	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11400 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 158	Date of Summary: 25-JUL-2000	First Sample Examined: 2210
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 12005
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9550
API Well Number: 608074021700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 2210 - 12005	Water Depth: 1054
Public Info Code: Y 07-JUL-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2210 / 2210	DEF AT first sample examined	DEF AT
2510 / 2509	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
3260 / 3223	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9530 / 7456	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12005 / 9550	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 158	Date of Summary: 26-JUL-2000	First Sample Examined: 2210
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 12005
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9550
API Well Number: 608074021700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 2210 - 12005	Water Depth: 1054
Public Info Code: Y 07-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2210 / 2210	DEF AT first sample examined	POS AT 5
2211 / 2211	DEF IN cement	POS AT 5
2480 / 2479	DEF AT local marker deep water fauna	DEF AT 5
2540 / 2538	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
3260 / 3223	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
3290 / 3250	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
3680 / 3586	DEF AT local marker foram increase	DEF AT 4
3860 / 3729	DEF AT local marker benthic foram increase	DEF AT 4
5390 / 4700	DEF AT local marker deep water fauna	DEF AT 5
7160 / 5682	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7940 / 6133	POS AT local marker foram decrease	DEF AT 4
9920 / 7795	DEF AT local marker deep water fauna	DEF AT 5
10130 / 7976	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11090 / 8798	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12005 / 9550	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 158	Date of Summary: 25-JUL-2000	First Sample Examined: 9100
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 11040
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8856
API Well Number: 608074021701	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 9100 - 11020	Water Depth: 1050
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9100 / 7081	DEF AT first sample examined	DEF AT
9220 / 7186	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11020 / 8838	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 158	<b>Date of Summary:</b> 26-JUL-2000	<b>First Sample Examined:</b> 9100
<b>Lease Number:</b> G17300	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11040
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8856
<b>API Well Number:</b> 608074021701	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9100 - 11020	<b>Water Depth:</b> 1050
<b>Public Info Code:</b> Y 22-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** No diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9100 / 7081	DEF AT first sample examined	DEF AT 4
10300 / 8173	DEF AT -----	DEF AT 5
10840 / 8671	DEF AT -----	DEF AT 4
11020 / 8838	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 158	Date of Summary: 19-JUL-2000	First Sample Examined: 0
Lease Number: G17300	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11942
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9600
API Well Number: 608074021702	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 3	Sample Range: 0 - 0	Water Depth: 1050
Public Info Code: Y 01-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 / 8400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 158	Date of Summary: 25-JUL-2000	First Sample Examined: 10520
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 11942
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9600
API Well Number: 608074021702	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 3	Sample Range: 10520 - 11940	Water Depth: 1050
Public Info Code: Y 01-AUG-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 / 8400	DEF AT first sample examined	DEF AT
11940 / 9598	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 158	Date of Summary: 26-JUL-2000	First Sample Examined: 10520
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 11942
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9600
API Well Number: 608074021702	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 3 of 3	Sample Range: 10520 - 11940	Water Depth: 1050
Public Info Code: Y 01-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 / 8400	DEF AT first sample examined	DEF AT 5
10880 / 8703	DEF AT - - - - -	DEF AT 4
11940 / 9598	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 158	Date of Summary: 22-MAY-1996	First Sample Examined: 7420
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 11189
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9052
API Well Number: 608074027402	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 7520 - 11189	Water Depth: 1208
Public Info Code: Y 05-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7520 / 7258	DEF AT first sample examined	DEF AT 5
7521 / 7259	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9410 / 8290	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
11189 / 9052	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 159	Date of Summary: 27-APR-2006	First Sample Examined: 6450
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 15662
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14490
API Well Number: 608074027201	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 6450 - 14540	Water Depth: 989
Public Info Code: Y 30-MAR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 6448	DEF AT first sample examined	DEF IN 5
6859 / 6857	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
6860 / 6858	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7900 / 7894	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
8569 / 8562	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
8570 / 8563	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9140 / 9133	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
10488 /10463	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
10489 /10464	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
10490 /10465	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10580 /10551	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
10789 /10747	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
10790 /10748	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
10820 /10776	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10879 /10831	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
10880 /10831	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
11150 /11071	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
13009 /12495	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF IN 5
13010 /12495	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
13129 /12590	DEF AT floral flood	DEF IN 5
13130 /12591	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
13190 /12638	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 159  
Lease Number: G17300  
Well Name: 002  
API Well Number: 608074027201  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-MAR-2016

Date of Summary: 27-APR-2006  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 6450 - 14540  
Ecozone Eq MMS: Y

First Sample Examined: 6450  
Borehole MD: 15662  
Borehole TVD: 14490  
Rkb Elevation: 82  
Water Depth: 989  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13399 /12801	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
13400 /12801	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
13430 /12824	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
13519 /12892	DEF AT floral flood	DEF IN 5
13520 /12893	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
13609 /12960	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13610 /12961	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
13820 /13120	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
13970 /13234	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
14150 /13371	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
14210 /13417	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14269 /13462	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
14270 /13463	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
14300 /13486	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 6
14360 /13531	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
14389 /13553	DEF AT out-of-place section	DEF AT 6
14390 /13554	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
14480 /13623	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
14510 /13646	DEF AT salt	DEF AT 6
14540 /13669	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 159	<b>Date of Summary:</b> 27-APR-2006	<b>First Sample Examined:</b> 2660
<b>Lease Number:</b> G23270	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7972
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7968
<b>API Well Number:</b> 608074027200	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2660 - 7880	<b>Water Depth:</b> 989
<b>Public Info Code:</b> Y 16-NOV-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2660 / 2660	DEF AT first sample examined	DEF AT 4
2661 / 2661	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
2750 / 2750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 4
3770 / 3770	DEF AT - - - - -	DEF AT 5
3800 / 3800	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5249 / 5248	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
5250 / 5249	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6829 / 6826	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
6830 / 6827	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7880 / 7877	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 161	Date of Summary: 01-DEC-1996	First Sample Examined: 5100
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 10800
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10788
API Well Number: 608074015800	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 5100 - 10790	Water Depth: 970
Public Info Code: Y 22-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 5400 to 5829 may represent a slump block

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5100 / 5094	DEF AT first sample examined	DEF IN 2
5101 / 5095	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
5220 / 5214	DEF AT reworked material	DEF IN 3
5400 / 5394	POS AT reworked material	DEF IN 5
5820 / 5813	DEF AT faunal change (no faunal increase)	DEF AT 4
5940 / 5933	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6150 / 6143	DEF AT local marker foram increase	DEF AT 4
6550 / 6543	DEF AT local marker foram increase	DEF AT 4
6551 / 6544	DEF AT pyrite	DEF AT 4
6600 / 6593	DEF AT faunal change (no faunal increase)	DEF AT 4
6660 / 6653	DEF AT local marker foram decrease	POS AT 4
6890 / 6882	DEF AT transported shelf fauna	POS AT 4
6920 / 6912	DEF AT faunal change (no faunal increase)	DEF AT 4
7040 / 7032	DEF AT faunal change (no faunal increase)	DEF IN 3
7310 / 7301	DEF AT faunal change (no faunal increase)	DEF AT 3
7340 / 7331	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 3
7400 / 7391	DEF AT faunal change (no faunal increase)	DEF IN 3
7610 / 7601	DEF AT local marker benthic foram increase	DEF IN 4
7729 / 7720	DEF AT pyrite	DEF IN 4
7730 / 7721	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
7850 / 7841	DEF AT faunal change (no faunal increase)	DEF AT 4
8060 / 8051	DEF AT local marker foram decrease	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 161	<b>Date of Summary:</b> 01-DEC-1996	<b>First Sample Examined:</b> 5100
<b>Lease Number:</b> G13367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10800
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 10788
<b>API Well Number:</b> 608074015800	<b>Drilling Operator:</b> PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5100 - 10790	<b>Water Depth:</b> 970
<b>Public Info Code:</b> Y 22-DEC-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8990 / 8980	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 3
9139 / 9129	DEF AT pyrite	DEF IN 4
9140 / 9130	DEF AT local marker foram increase	DEF AT 5
9260 / 9250	DEF AT faunal change (no faunal increase)	POS IN 5
9380 / 9370	DEF AT gypsum	POS IN 5
9410 / 9400	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9560 / 9550	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
9680 / 9670	POS AT gouge	DEF IN 5
9740 / 9730	DEF AT gypsum	DEF IN 5
9741 / 9731	DEF IN salt	DEF IN 5
10790 /10778	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 161	<b>Date of Summary:</b> 05-MAY-1997	<b>First Sample Examined:</b> 5100
<b>Lease Number:</b> G13367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10800
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10788
<b>API Well Number:</b> 608074015800	<b>Drilling Operator:</b> PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5100 - 10790	<b>Water Depth:</b> 970
<b>Public Info Code:</b> Y 22-DEC-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5100 / 5094	DEF AT first sample examined	DEF AT
5250 / 5244	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5400 / 5394	DEF AT reworked material	DEF AT
6120 / 6113	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7700 / 7691	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7820 / 7811	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9170 / 9160	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9590 / 9580	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9890 / 9880	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9920 / 9910	DEF AT reworked material	DEF AT
10790 /10778	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 161	Date of Summary: 01-FEB-1999	First Sample Examined: 8060
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 17650
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16871
API Well Number: 608074015801	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 8060 - 17650	Water Depth: 972
Public Info Code: Y 13-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 16940=Uvigerina byrdi

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8060 / 8051	DEF AT first sample examined	DEF AT
8870 / 8831	DEF AT local marker foram increase	DEF IN 2
9110 / 9046	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9170 / 9100	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9380 / 9290	DEF AT faunal change (no faunal increase)	DEF IN 4
9470 / 9373	DEF AT local marker benthic foram increase	DEF IN 4
9500 / 9401	DEF AT local marker benthic foram increase	DEF IN 5
9529 / 9427	DEF AT pyrite	DEF IN 5
9530 / 9428	DEF AT local marker deep water fauna	DEF IN 5
10310 /10151	DEF AT local marker foram decrease	DEF IN 5
10340 /10179	DEF AT faunal change (no faunal increase)	DEF AT 5
10459 /10290	DEF AT condensed section	DEF AT 5
10460 /10291	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
10520 /10347	DEF AT local marker planktic foram increase	DEF AT 5
10580 /10403	DEF AT shell fragments	DEF AT 5
10700 /10515	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
11060 /10847	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
11300 /11067	DEF AT faunal change (no faunal increase)	DEF AT 5
11390 /11149	DEF AT local marker foram decrease	POS AT 5
11570 /11314	DEF AT faunal change (no faunal increase)	POS AT 5
11750 /11481	POS AT Upper Pliocene (Gelasian) Globorotalia exilis	POS AT 5
11960 /11676	DEF AT local marker foram increase	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 161	<b>Date of Summary:</b> 01-FEB-1999	<b>First Sample Examined:</b> 8060
<b>Lease Number:</b> G13367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17650
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16871
<b>API Well Number:</b> 608074015801	<b>Drilling Operator:</b> PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8060 - 17650	<b>Water Depth:</b> 972
<b>Public Info Code:</b> Y 13-FEB-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 /11704	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 5
12410 /12094	DEF AT faunal change (no faunal increase)	POS IN 5
12740 /12400	DEF AT local marker benthic foram increase	POS IN 5
12770 /12428	DEF AT faunal change (no faunal increase)	DEF IN 5
12970 /12614	DEF AT - - - - -	DEF AT 6
12979 /12622	DEF AT condensed section	DEF AT 6
12980 /12623	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13040 /12679	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
13100 /12734	DEF AT Arenaceous fauna (local marker)	DEF AT 6
13160 /12789	DEF AT - - - - -	DEF IN 5
13460 /13065	DEF AT faunal change (no faunal increase)	DEF AT 5
13550 /13147	DEF AT local marker foram decrease	DEF AT 5
13580 /13175	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
13640 /13230	DEF AT faunal change (no faunal increase)	POS AT 4
13940 /13504	DEF AT local marker foram increase	DEF IN 5
14060 /13613	DEF AT faunal change (no faunal increase)	DEF AT 4
14120 /13667	DEF AT Eggerella 3 (local marker)	DEF AT 4
14240 /13775	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14300 /13829	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 4
14360 /13884	DEF AT faunal change (no faunal increase)	POS AT 4
15080 /14535	POS AT local marker foram increase	DEF AT 4
15290 /14725	DEF AT sample gap top	POS AT 4
15369 /14796	DEF AT sample gap bottom	DEF AT 5
15370 /14796	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 161	Date of Summary: 01-FEB-1999	First Sample Examined: 8060
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 17650
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16871
API Well Number: 608074015801	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 8060 - 17650	Water Depth: 972
Public Info Code: Y 13-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15490 /14905	DEF AT local marker planktic foram increase	DEF AT 5
15520 /14932	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15670 /15068	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 5
15730 /15122	DEF AT reworked material	DEF AT 5
15890 /15266	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 5
15950 /15321	DEF AT local marker foram decrease	DEF AT 5
16280 /15619	DEF AT local marker foram increase	DEF IN 5
16340 /15673	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16400 /15728	DEF AT local marker foram increase	DEF IN 5
16460 /15782	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
16580 /15891	DEF AT faunal change (no faunal increase)	DEF AT 5
16640 /15946	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
16940 /16219	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
17090 /16357	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
17240 /16494	DEF AT local marker foram decrease	POS AT 4
17568 /16795	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17569 /16796	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
17570 /16797	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17600 /16825	DEF AT faunal change (no faunal increase)	DEF AT 6
17650 /16871	DEF AT last sample examined	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 161	Date of Summary: 22-OCT-1999	First Sample Examined: 0
Lease Number: G13367	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17650
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16871
API Well Number: 608074015801	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	Rkb Elevation: 89
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 972
Public Info Code: Y 13-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5250 / 5244	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9115 / 9051	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10100 / 9957	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10460 /10291	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11930 /11648	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12980 /12623	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13280 /12900	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
14240 /13775	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
15550 /14959	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
2830 / 2830	DEF AT first sample examined	DEF AT 2
4210 / 4209	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
4270 / 4269	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5380 / 5379	DEF AT - - - - -	POS IN 4
11240 /10166	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS IN 4
12380 /11242	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	POS IN 4
13850 /12707	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS IN 4
14000 /12857	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	POS IN 4
15350 /14206	DEF AT Eggerella 3 (local marker)	POS IN 4
15650 /14506	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS IN 4
16830 /15685	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS IN 4
17520 /16375	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS IN 4
17580 /16435	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	POS IN 4
17730 /16585	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	POS IN 4
18150 /17005	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS IN 4
18270 /17125	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	POS IN 4
18300 /17155	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	POS IN 4
18630 /17485	DEF AT last sample examined	POS IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 161	<b>Date of Summary:</b> 01-MAR-1998	<b>First Sample Examined:</b> 2830
<b>Lease Number:</b> G13367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18657
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17512
<b>API Well Number:</b> 608074017500	<b>Drilling Operator:</b> PENNZENERGY EXPLORATION AND PRODUCTION LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 2830 - 18630	<b>Water Depth:</b> 975
<b>Public Info Code:</b> Y 08-FEB-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2830 / 2830	DEF AT first sample examined	DEF IN 2
2950 / 2949	DEF AT local marker foram increase	DEF AT 3
3190 / 3189	DEF AT reworked material	DEF AT 3
3250 / 3249	DEF AT limestone	DEF AT 3
3370 / 3369	DEF AT local marker foram increase	DEF IN 3
3610 / 3609	DEF AT faunal change (no faunal increase)	DEF AT 3
4180 / 4179	DEF AT reworked material	DEF AT 3
4210 / 4209	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4270 / 4269	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
4271 / 4270	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
4330 / 4329	DEF AT faunal change (no faunal increase)	DEF IN 3
4390 / 4389	DEF AT faunal change (no faunal increase)	DEF AT 3
4450 / 4449	DEF AT local marker (general)	DEF AT 3
5260 / 5259	DEF AT faunal change (no faunal increase)	DEF IN 3
5380 / 5379	DEF AT limestone	DEF AT 5
5680 / 5678	DEF AT local marker foram decrease	POS AT 4
6040 / 6029	DEF AT faunal change (no faunal increase)	DEF AT 4
6100 / 6087	DEF AT local marker foram increase	DEF AT 4
6880 / 6804	DEF AT local marker foram increase	DEF AT 4
6940 / 6855	DEF AT local marker foram decrease	POS AT 4
7420 / 7240	DEF AT faunal change (no faunal increase)	DEF AT 4
7810 / 7529	DEF AT local marker foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 161	<b>Date of Summary:</b> 01-MAR-1998	<b>First Sample Examined:</b> 2830
<b>Lease Number:</b> G13367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18657
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17512
<b>API Well Number:</b> 608074017500	<b>Drilling Operator:</b> PENNZENERGY EXPLORATION AND PRODUCTION LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 2830 - 18630	<b>Water Depth:</b> 975
<b>Public Info Code:</b> Y 08-FEB-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8230 / 7842	DEF AT local marker foram increase	DEF AT 5
8290 / 7886	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF AT 5
8560 / 8086	DEF AT faunal change (no faunal increase)	DEF AT 4
9050 / 8450	DEF AT cement	POS AT 4
10970 / 9934	POS AT local marker foram increase	DEF IN 3
11210 /10140	DEF AT faunal change (no faunal increase)	DEF AT 4
11240 /10166	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11450 /10355	DEF AT faunal change (no faunal increase)	DEF AT 4
11690 /10577	DEF AT Bathysiphon fauna	DEF AT 4
11870 /10747	DEF AT faunal change (no faunal increase)	DEF AT 5
12050 /10920	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12380 /11242	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
12500 /11360	DEF AT faunal change (no faunal increase)	DEF AT 4
13550 /12407	DEF AT local marker foram increase	DEF IN 4
13760 /12617	DEF AT Arenaceous fauna (local marker)	DEF IN 4
13820 /12677	DEF AT faunal change (no faunal increase)	DEF AT 6
13849 /12706	POS AT condensed section	DEF AT 6
13850 /12707	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13970 /12827	DEF AT faunal change (no faunal increase)	DEF AT 5
14000 /12857	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14300 /13156	DEF AT faunal change (no faunal increase)	DEF AT 4
14570 /13426	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14750 /13606	DEF AT local marker foram increase	DEF IN 4
15050 /13906	DEF AT faunal change (no faunal increase)	DEF AT 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15110 /13966	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
15349 /14205	POS AT Eggerella 3 (local marker)	DEF AT 5
15350 /14206	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15410 /14266	DEF AT faunal change (no faunal increase)	DEF AT 4
15590 /14446	DEF AT Bathysiphon fauna	DEF AT 4
15620 /14476	DEF AT - - - - -	DEF IN 4
15650 /14506	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15980 /14836	DEF AT - - - - -	DEF AT 5
16010 /14866	DEF AT Bathysiphon fauna	DEF AT 5
16250 /15106	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16370 /15226	DEF AT - - - - -	DEF AT 4
16500 /15355	DEF AT faunal change (no faunal increase)	DEF AT 5
16620 /15475	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16710 /15565	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
16830 /15685	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16950 /15805	DEF AT faunal change (no faunal increase)	DEF AT 4
17310 /16165	DEF AT faunal change (no faunal increase)	DEF AT 5
17340 /16195	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17370 /16225	DEF AT faunal change (no faunal increase)	DEF AT 4
17520 /16375	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17580 /16435	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
17640 /16495	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
17730 /16585	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
17850 /16705	DEF AT faunal change (no faunal increase)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 161	<b>Date of Summary:</b> 01-MAR-1998	<b>First Sample Examined:</b> 2830
<b>Lease Number:</b> G13367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18657
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17512
<b>API Well Number:</b> 608074017500	<b>Drilling Operator:</b> PENNZENERGY EXPLORATION AND PRODUCTION LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 2830 - 18630	<b>Water Depth:</b> 975
<b>Public Info Code:</b> Y 08-FEB-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18030 /16885	DEF AT transported shelf fauna	DEF AT 4
18149 /17004	POS AT condensed section	DEF IN 5
18150 /17005	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
18270 /17125	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
18330 /17185	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
18360 /17215	DEF AT -----	DEF AT 5
18630 /17485	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 161	Date of Summary: 09-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 3 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2830 / 2830	DEF AT first sample examined	DEF AT
3310 / 3309	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3520 / 3519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8230 / 7842	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8290 / 7886	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12020 /10891	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12050 /10920	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12950 /11807	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12980 /11837	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13550 /12407	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13880 /12737	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14030 /12887	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16470 /15325	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16620 /15475	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17460 /16315	DEF AT sample gap top	DEF AT
17519 /16374	DEF AT sample gap bottom	DEF AT
17520 /16375	POS AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
18450 /17305	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
18510 /17365	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18630 /17485	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 161	Date of Summary: 09-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 4 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, paleo done by Therese Dunn, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2830 / 2830	DEF AT first sample examined	DEF AT
3310 / 3309	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3520 / 3519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5500 / 5499	DEF AT reworked material	DEF AT
8230 / 7842	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8290 / 7886	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12020 /10891	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12050 /10920	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12950 /11807	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12980 /11837	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13550 /12407	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13880 /12737	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14030 /12887	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16470 /15325	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16620 /15475	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17460 /16315	DEF AT sample gap top	DEF AT
17519 /16374	DEF AT sample gap bottom	DEF AT
17520 /16375	POS IN Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
18450 /17305	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
18510 /17365	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18630 /17485	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 168	Date of Summary: 02-MAR-1999	First Sample Examined: 10320
Lease Number: G15846	Source of Paleo: OPERATOR	Borehole MD: 16193
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15747
API Well Number: 608074018901	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 10320 - 16193	Water Depth: 1225
Public Info Code: Y 31-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Waddenzee Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10320 /10319	DEF AT first sample examined	POS AT 4
10380 /10379	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10590 /10589	DEF AT local marker benthic foram increase	DEF AT 4
10650 /10649	DEF AT -----	DEF AT 5
10680 /10678	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
10800 /10798	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10830 /10828	DEF AT -----	DEF AT 4
11100 /11095	DEF AT -----	DEF AT 5
11130 /11125	DEF AT -----	DEF AT 4
11940 /11903	DEF AT -----	DEF AT 5
12030 /11989	DEF AT -----	DEF AT 4
12270 /12222	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12300 /12251	DEF AT -----	DEF AT 5
12360 /12311	DEF AT -----	DEF AT 4
12420 /12370	DEF AT -----	DEF AT 5
12600 /12549	DEF AT -----	DEF AT 4
13500 /13444	DEF AT transported shelf fauna	POS AT 4
13560 /13502	DEF AT -----	DEF AT 4
14130 /14031	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15450 /15143	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15480 /15168	DEF AT -----	DEF AT 5
15570 /15243	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 168  
 Lease Number: G15846  
 Well Name: 001  
 API Well Number: 608074018901  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-OCT-2000

Date of Summary: 02-MAR-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 10320 - 16193  
 Ecozone Eq MMS: Y

First Sample Examined: 10320  
 Borehole MD: 16193  
 Borehole TVD: 15747  
 Rkb Elevation: 84  
 Water Depth: 1225  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16050 /15634	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16080 /15658	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
16140 /15705	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
16170 /15728	DEF AT faunal change (no faunal increase)	DEF AT 5
16193 /15747	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 169	Date of Summary: 23-JUL-2014	First Sample Examined: 3120
Lease Number: G31613	Source of Paleo: OPERATOR	Borehole MD: 22960
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21864
API Well Number: 608074031300	Drilling Operator: APACHE DEEPWATER LLC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 3120 - 22960	Water Depth: 919
Public Info Code: Y 01-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3120 / 3120	DEF AT first sample examined	DEF IN 5
3121 / 3121	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
3619 / 3619	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
3620 / 3620	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
4370 / 4370	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
4869 / 4869	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
4870 / 4870	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
5120 / 5120	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
5370 / 5370	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
5870 / 5870	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
6118 / 6118	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
6119 / 6119	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
6120 / 6120	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7370 / 7314	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
7620 / 7536	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 5
8119 / 7978	POS AT salt	DEF AT 6
8120 / 7979	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8370 / 8201	DEF IN salt	POS AT 6
9120 / 8867	DEF AT sample gap top	DEF AT
17341 /16245	DEF AT base of salt	DEF IN 5
17342 /16246	DEF AT sample gap bottom	DEF IN 5
17490 /16394	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 169	Date of Summary: 23-JUL-2014	First Sample Examined: 3120
Lease Number: G31613	Source of Paleo: OPERATOR	Borehole MD: 22960
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21864
API Well Number: 608074031300	Drilling Operator: APACHE DEEPWATER LLC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 3120 - 22960	Water Depth: 919
Public Info Code: Y 01-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17520 /16424	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
18870 /17774	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
18930 /17834	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
18960 /17864	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
19080 /17984	DEF AT - - - - -	DEF AT 5
20580 /19484	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
21600 /20504	POS AT local marker planktic foram increase	DEF AT 5
21860 /20764	POS AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT 5
21959 /20863	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
21960 /20864	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
22020 /20924	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
22080 /20984	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
22320 /21224	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
22410 /21314	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
22770 /21674	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
22960 /21864	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 171	Date of Summary: 17-MAY-2005	First Sample Examined: 5900
Lease Number: G21379	Source of Paleo: OPERATOR	Borehole MD: 17594
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17315
API Well Number: 608074026700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5900 - 17594	Water Depth: 921
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5899	DEF AT first sample examined	DEF AT
6140 / 6139	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6260 / 6259	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7370 / 7369	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9800 / 9799	DEF AT sample gap top	DEF AT
11230 /11228	DEF AT sample gap bottom	DEF AT
11270 /11268	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11630 /11628	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11990 /11988	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13010 /13007	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13212 /13209	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13220 /13217	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13340 /13337	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13370 /13367	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13430 /13426	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13610 /13606	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13850 /13845	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13940 /13934	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14210 /14202	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14270 /14261	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14330 /14321	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14480 /14470	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 171	<b>Date of Summary:</b> 17-MAY-2005	<b>First Sample Examined:</b> 5900
<b>Lease Number:</b> G21379	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17594
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17315
<b>API Well Number:</b> 608074026700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5900 - 17594	<b>Water Depth:</b> 921
<b>Public Info Code:</b> Y 30-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14660 /14650	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
14779 /14769	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14780 /14770	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15140 /15127	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15860 /15808	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16340 /16232	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17210 /16978	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17420 /17161	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17480 /17214	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17594 /17315	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 171	Date of Summary: 23-MAY-2005	First Sample Examined: 5900
Lease Number: G21379	Source of Paleo: OPERATOR	Borehole MD: 17594
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17315
API Well Number: 608074026700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5900 - 17594	Water Depth: 921
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5900 / 5899	DEF AT first sample examined	DEF AT 4
6170 / 6169	DEF AT -----	DEF AT 5
6860 / 6859	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
8840 / 8839	DEF AT -----	DEF IN 5
9200 / 9199	DEF AT -----	DEF AT 5
9800 / 9799	DEF AT sample gap top	POS AT 5
11231 /11229	DEF AT sample gap bottom	DEF AT 5
11690 /11688	POS IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
12620 /12618	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12710 /12708	DEF AT -----	DEF AT 5
12950 /12947	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13250 /13247	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13280 /13277	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
13340 /13337	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13370 /13367	DEF AT -----	DEF AT 6
13430 /13426	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13610 /13606	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13670 /13666	DEF AT -----	DEF AT 5
13790 /13785	DEF AT -----	DEF IN 5
13970 /13964	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
14450 /14440	DEF AT -----	DEF AT 5
14750 /14740	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 171	<b>Date of Summary:</b> 23-MAY-2005	<b>First Sample Examined:</b> 5900
<b>Lease Number:</b> G21379	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17594
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17315
<b>API Well Number:</b> 608074026700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5900 - 17594	<b>Water Depth:</b> 921
<b>Public Info Code:</b> Y 30-NOV-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15260 /15244	DEF AT - - - - -	DEF IN 5
15290 /15273	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
15500 /15473	DEF AT - - - - -	DEF AT 5
15889 /15834	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15890 /15835	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16340 /16232	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16460 /16337	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
17210 /16978	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17330 /17083	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
17420 /17161	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17480 /17214	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
17594 /17315	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 172  
Lease Number: G14221  
Well Name: 001  
API Well Number: 608074081700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 28-APR-2005

Date of Summary: 17-MAY-1995  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 1840 - 13680  
Ecozone Eq MMS: Y

First Sample Examined: 1840  
Borehole MD: 13680  
Borehole TVD: 13101  
Rkb Elevation: 73  
Water Depth: 818  
Paleo ID: 002

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1840 / 1840	DEF AT first sample examined	DEF AT 4
3730 / 3730	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6070 / 6070	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
6130 / 6129	DEF AT - - - - -	POS AT 5
7120 / 7072	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7150 / 7100	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS AT 5
9940 / 9652	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 5
10300 / 9981	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
10420 /10091	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11080 /10694	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 5
11439 /11022	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11440 /11023	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 5
13480 /12914	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 5
13680 /13101	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 172	Date of Summary: 18-MAY-1995	First Sample Examined: 1840
Lease Number: G14221	Source of Paleo: OPERATOR	Borehole MD: 13680
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13101
API Well Number: 608074081700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 1840 - 13680	Water Depth: 818
Public Info Code: Y 28-APR-2005	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1840 / 1840	DEF AT first sample examined	DEF AT
2800 / 2800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3880 / 3880	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6070 / 6070	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6130 / 6129	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7150 / 7100	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7690 / 7594	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10930 /10558	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11409 /10994	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11410 /10995	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13419 /12857	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13420 /12858	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13680 /13101	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 172	<b>Date of Summary:</b> 20-AUG-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14221	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14441
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11402
<b>API Well Number:</b> 608074018200	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 693
<b>Public Info Code:</b> Y 04-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8220 / 6251	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10170 / 7551	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12600 / 9706	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 4
13555 /10573	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
14080 /11062	DEF AT -----	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 172	Date of Summary: 04-JUN-1999	First Sample Examined: 0
Lease Number: G14221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14649
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 12608
API Well Number: 608074018401	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 693
Public Info Code: Y 23-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12760 /10719	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 172	Date of Summary: 30-MAR-1999	First Sample Examined: 11700
Lease Number: G14221	Source of Paleo: OPERATOR	Borehole MD: 13655
Well Name: B003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12578
API Well Number: 608074019700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 130
Paleo Report Num: 1 of 2	Sample Range: 11700 - 13655	Water Depth: 663
Public Info Code: Y 05-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11700 /10695	DEF AT first sample examined	DEF IN 3
11730 /10725	DEF AT faunal change (no faunal increase)	DEF AT 4
11759 /10754	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
11760 /10755	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
11790 /10785	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
11910 /10904	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
12230 /11219	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
12280 /11268	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
12510 /11493	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12910 /11874	DEF AT out-of-place section	DEF AT 4
12920 /11884	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
12950 /11912	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
13010 /11969	DEF AT drilling material	DEF AT 4
13380 /12317	DEF AT faunal change (no faunal increase)	DEF AT 4
13655 /12578	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 172	Date of Summary: 19-MAY-1999	First Sample Examined: 0
Lease Number: G14221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13655
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 12578
API Well Number: 608074019700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 130
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 663
Public Info Code: Y 05-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11790 /10785	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
11865 /10859	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT
12280 /11268	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12290 /11278	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13480 /12412	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 184	<b>Date of Summary:</b> 23-DEC-1999	<b>First Sample Examined:</b> 4479
<b>Lease Number:</b> G14942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14626
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14438
<b>API Well Number:</b> 608074065100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4479 - 14626	<b>Water Depth:</b> 698
<b>Public Info Code:</b> Y 31-JUL-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4479 / 4479	DEF AT first sample examined	DEF AT 4
4850 / 4850	DEF AT local marker foram increase	DEF AT 5
5720 / 5702	DEF AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 5
8090 / 7912	DEF AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens</i> (acme "A")	DEF AT 5
9020 / 8836	DEF AT local marker benthic foram increase	DEF AT 4
9680 / 9496	DEF AT local marker deep water fauna	DEF AT 5
12320 /12135	DEF AT local marker deep water fauna	DEF IN 5
12380 /12195	POS AT Lower Pleistocene (Calabrian) <i>Hyalinea</i> "B" = <i>Trimosina</i> "B"	DEF IN 5
12410 /12225	DEF AT faunal change (no faunal increase)	DEF AT 5
13070 /12885	DEF AT local marker benthic foram increase	DEF AT 5
13100 /12915	DEF AT local marker planktic foram increase	DEF AT 4
13129 /12944	POS AT Lower Pleistocene (Calabrian) <i>Angulogerina</i> "B"	DEF AT 4
13130 /12945	POS AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens</i> (acme "B")	DEF AT 4
14599 /14411	DEF AT local marker planktic foram increase	DEF AT 4
14600 /14412	POS AT Upper Pliocene (Gelasian) <i>Globorotalia praehirsuta</i>	DEF AT 4
14626 /14438	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 184	<b>Date of Summary:</b> 23-DEC-1999	<b>First Sample Examined:</b> 4479
<b>Lease Number:</b> G14942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14626
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14438
<b>API Well Number:</b> 608074065100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4479 - 14626	<b>Water Depth:</b> 698
<b>Public Info Code:</b> Y 31-JUL-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4479 / 4479	DEF AT first sample examined	DEF AT
4700 / 4700	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5480 / 5472	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6740 / 6631	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8090 / 7912	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12320 /12135	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13130 /12945	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14626 /14438	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 191	Date of Summary: 29-AUG-1991	First Sample Examined: 6720
Lease Number: G06359	Source of Paleo: OPERATOR	Borehole MD: 7343
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5941
API Well Number: 608074062401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 6720 - 7343	Water Depth: 720
Public Info Code: Y 09-JAN-2001	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6720 / 5479	DEF AT first sample examined	DEF AT 3
6721 / 5480	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6900 / 5596	DEF AT -----	DEF AT 4
7290 / 5898	DEF AT -----	DEF AT 2
7343 / 5941	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 191	Date of Summary: 29-AUG-1991	First Sample Examined: 7344
Lease Number: G06359	Source of Paleo: OPERATOR	Borehole MD: 11602
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9291
API Well Number: 608074062402	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 7344 - 11602	Water Depth: 720
Public Info Code: Y 23-JAN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7344 / 5903	DEF AT first sample examined	DEF AT 2
7860 / 6300	DEF AT -----	DEF AT 3
8260 / 6621	DEF AT -----	DEF AT 2
9060 / 7268	DEF AT -----	DEF AT 3
9360 / 7509	DEF AT -----	DEF AT 2
11602 / 9291	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 192	Date of Summary: 09-FEB-1979	First Sample Examined: 1570
Lease Number: G03301	Source of Paleo: MINERALS MANAGEMENT SERVICE	Borehole MD: 10010
Well Name: 001	Paleo Done By: JIM COOKE	Borehole TVD: 10004
API Well Number: 608074000600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 1570 - 10000	Water Depth: 650
Public Info Code: Y 27-AUG-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1570 / 1570	DEF AT first sample examined	DEF IN 4
2730 / 2730	DEF AT local marker planktic foram increase	DEF IN 4
3480 / 3480	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
4140 / 4139	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5040 / 5039	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 5
7480 / 7478	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9510 / 9506	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10000 / 9994	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 193	Date of Summary: 25-FEB-1998	First Sample Examined: 0
Lease Number: G17303	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8652
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8647
API Well Number: 608074064000	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 68
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 687
Public Info Code: Y 31-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8160 / 8160	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 197	<b>Date of Summary:</b> 17-FEB-2003	<b>First Sample Examined:</b> 1848
<b>Lease Number:</b> G19084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7861
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7857
<b>API Well Number:</b> 608074025300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 1848 - 7860	<b>Water Depth:</b> 782
<b>Public Info Code:</b> Y 19-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1848 / 1848	DEF AT first sample examined	DEF AT
2310 / 2310	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5070 / 5070	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5850 / 5850	DEF AT out-of-place section	DEF AT
6990 / 6989	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7350 / 7348	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7835 / 7831	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
7860 / 7856	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 197	<b>Date of Summary:</b> 21-FEB-2003	<b>First Sample Examined:</b> 1848
<b>Lease Number:</b> G19084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7861
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7857
<b>API Well Number:</b> 608074025300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1848 - 7860	<b>Water Depth:</b> 782
<b>Public Info Code:</b> Y 19-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1848 / 1848	DEF AT first sample examined	DEF AT 4
3180 / 3180	DEF AT - - - - -	DEF AT 5
3840 / 3840	DEF AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF AT 5
3960 / 3960	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5190 / 5190	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5610 / 5610	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
5850 / 5850	DEF AT out-of-place section	DEF IN 5
6180 / 6180	DEF AT - - - - -	DEF AT 5
7349 / 7347	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7350 / 7348	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7440 / 7438	DEF AT out-of-place section	DEF AT 5
7860 / 7856	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 197	Date of Summary: 21-AUG-2003	First Sample Examined: 4820
Lease Number: G19084	Source of Paleo: OPERATOR	Borehole MD: 7327
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6773
API Well Number: 608074025800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 4820 - 7327	Water Depth: 561
Public Info Code: Y 19-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4820 / 4459	DEF AT first sample examined	DEF AT 5
5120 / 4704	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7327 / 6772	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 197	<b>Date of Summary:</b> 21-AUG-2003	<b>First Sample Examined:</b> 4820
<b>Lease Number:</b> G19084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7327
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6773
<b>API Well Number:</b> 608074025800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4820 - 7327	<b>Water Depth:</b> 561
<b>Public Info Code:</b> Y 19-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4820 / 4459	DEF AT first sample examined	DEF AT
4821 / 4460	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7327 / 6772	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200  
Lease Number: G15852  
Well Name: 001  
API Well Number: 608074018100  
Paleo Report Num: 1 of 2  
Public Info Code: Y 13-JUN-2008

Date of Summary: 23-JUN-1998  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 3158 - 13750  
Ecozone Eq MMS: Y

First Sample Examined: 3158  
Borehole MD: 13752  
Borehole TVD: 13143  
Rkb Elevation: 82  
Water Depth: 1731  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3158 / 3158	DEF AT first sample examined	POS AT 5
3200 / 3200	DEF AT - - - - -	DEF AT 5
4850 / 4850	DEF AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF AT 5
5210 / 5210	POS IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 5
8630 / 8338	DEF AT - - - - -	DEF IN 5
8810 / 8498	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
11030 /10560	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
11120 /10647	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
11180 /10704	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
12650 /12111	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
12710 /12167	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13070 /12505	DEF AT Arenaceous fauna (local marker)	DEF IN 5
13310 /12730	DEF AT local marker planktic foram increase	DEF IN 5
13490 /12898	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13640 /13038	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 5
13730 /13122	DEF AT Bathysiphon fauna	DEF IN 5
13750 /13141	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 23-JUN-1998	First Sample Examined: 3158
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 13752
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13143
API Well Number: 608074018100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3158 - 13750	Water Depth: 1731
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3158 / 3158	DEF AT first sample examined	DEF AT
3200 / 3200	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8630 / 8338	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8690 / 8391	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8810 / 8498	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11030 /10560	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11960 /11453	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12650 /12111	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12710 /12167	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13490 /12898	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13750 /13141	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 10-MAR-1999	First Sample Examined: 2431
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 12570
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12567
API Well Number: 608074019600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2431 - 12570	Water Depth: 945
Public Info Code: Y 11-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2431 / 2431	DEF AT first sample examined	POS AT 5
2432 / 2432	DEF AT cement	POS AT 5
3120 / 3120	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4440 / 4440	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7830 / 7829	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
7950 / 7949	DEF AT - - - - -	DEF IN 5
8280 / 8279	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
10410 /10408	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
11400 /11397	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
12570 /12567	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 10-MAR-1999	First Sample Examined: 2431
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 12570
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12567
API Well Number: 608074019600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2431 - 12570	Water Depth: 945
Public Info Code: Y 11-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2431 / 2431	DEF AT first sample examined	DEF AT
3150 / 3150	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7380 / 7379	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7950 / 7949	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7980 / 7979	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8250 / 8249	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10530 /10528	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11790 /11787	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12480 /12477	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12570 /12567	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 200	<b>Date of Summary:</b> 16-DEC-1999	<b>First Sample Examined:</b> 7903
<b>Lease Number:</b> G15852	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14560
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12712
<b>API Well Number:</b> 608074021100	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7903 - 14560	<b>Water Depth:</b> 1736
<b>Public Info Code:</b> Y 27-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7903 / 7582	DEF AT first sample examined	DEF AT 5
8830 / 8275	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
9040 / 8439	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
9280 / 8630	DEF AT -----	DEF AT 5
11560 /10475	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12160 /10937	DEF AT -----	DEF AT 5
13090 /11643	DEF AT -----	DEF IN 5
13120 /11665	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13930 /12253	DEF AT -----	DEF AT 5
14500 /12668	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14560 /12712	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 16-DEC-1999	First Sample Examined: 7903
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 14560
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12712
API Well Number: 608074021100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7903 - 14560	Water Depth: 1736
Public Info Code: Y 27-NOV-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7903 / 7582	DEF AT first sample examined	DEF AT
8830 / 8275	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8860 / 8297	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9220 / 8581	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11560 /10475	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12280 /11028	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13060 /11620	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13120 /11665	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13960 /12275	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
14020 /12318	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14510 /12676	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14560 /12712	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 200	<b>Date of Summary:</b> 20-FEB-2002	<b>First Sample Examined:</b> 7520
<b>Lease Number:</b> G17307	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12131
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11238
<b>API Well Number:</b> 608074023700	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7520 - 12131	<b>Water Depth:</b> 1736
<b>Public Info Code:</b> Y 27-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7520 / 7092	DEF AT first sample examined	DEF AT 4
8150 / 7634	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
8870 / 8252	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8960 / 8331	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9050 / 8409	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
9140 / 8488	DEF AT local marker foram decrease	DEF AT 5
10909 /10048	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10910 /10048	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12131 /11238	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 20-FEB-2002	First Sample Examined: 7520
Lease Number: G17307	Source of Paleo: OPERATOR	Borehole MD: 12131
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11238
API Well Number: 608074023700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 7520 - 12131	Water Depth: 1736
Public Info Code: Y 27-JAN-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7520 / 7092	DEF AT first sample examined	DEF AT
8360 / 7814	DEF AT reworked material	DEF AT
8840 / 8226	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8930 / 8305	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9800 / 9054	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
10880 /10020	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11660 /10769	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12131 /11238	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 19-JUL-2005	First Sample Examined: 7980
Lease Number: G17307	Source of Paleo: OPERATOR	Borehole MD: 12153
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10634
API Well Number: 608074027000	Drilling Operator: HESS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 7980 - 12152	Water Depth: 1736
Public Info Code: Y 24-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7277	DEF AT first sample examined	DEF AT 4
9000 / 8100	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9060 / 8148	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9120 / 8197	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
9270 / 8319	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
11250 / 9905	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11400 /10025	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11490 /10097	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11520 /10121	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
11940 /10459	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12030 /10532	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
12090 /10582	DEF AT anhydrite	DEF AT 5
12152 /10633	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 19-JUL-2005	First Sample Examined: 7980
Lease Number: G17307	Source of Paleo: OPERATOR	Borehole MD: 12153
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10634
API Well Number: 608074027000	Drilling Operator: HESS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 7980 - 12152	Water Depth: 1736
Public Info Code: Y 24-JUL-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7277	DEF AT first sample examined	DEF AT
8730 / 7884	DEF AT reworked material	DEF AT
9030 / 8124	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9120 / 8197	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9330 / 8367	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10140 / 9015	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
11190 / 9857	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11520 /10121	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11610 /10193	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11970 /10483	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12090 /10582	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12152 /10633	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

Area Block: GB 200  
Lease Number: G17307  
Well Name: 002  
API Well Number: 608074027001  
Paleo Report Num: 1 of 2  
Public Info Code: Y 30-JUL-2015

Date of Summary: 19-JUL-2005  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 10000 - 12554  
Ecozone Eq MMS: Y

First Sample Examined: 10000  
Borehole MD: 12554  
Borehole TVD: 11298  
Rkb Elevation: 74  
Water Depth: 1736  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 8904	DEF AT first sample examined	DEF AT 5
11260 /10026	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11350 /10110	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12250 /10995	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12340 /11085	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12554 /11298	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 19-JUL-2005	First Sample Examined: 10000
Lease Number: G17307	Source of Paleo: OPERATOR	Borehole MD: 12554
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11298
API Well Number: 608074027001	Drilling Operator: HESS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 10000 - 12554	Water Depth: 1736
Public Info Code: Y 30-JUL-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 8904	DEF AT first sample examined	DEF AT
10120 / 9007	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
11230 / 9997	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11560 /10313	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11800 /10548	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12310 /11055	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12399 /11144	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12400 /11145	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
12554 /11298	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200  
Lease Number: G17307  
Well Name: 002  
API Well Number: 608074027002  
Paleo Report Num: 1 of 2  
Public Info Code: Y 14-AUG-2015

Date of Summary: 19-JUL-2005  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 9210 - 12640  
Ecozone Eq MMS: Y

First Sample Examined: 9210  
Borehole MD: 12640  
Borehole TVD: 11512  
Rkb Elevation: 74  
Water Depth: 1736  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9210 / 8272	DEF AT first sample examined	DEF AT 5
9270 / 8323	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11280 /10200	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11610 /10518	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12420 /11299	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12450 /11328	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12640 /11512	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 200	Date of Summary: 19-JUL-2005	First Sample Examined: 9210
Lease Number: G17307	Source of Paleo: OPERATOR	Borehole MD: 12640
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11512
API Well Number: 608074027002	Drilling Operator: HESS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 9210 - 12640	Water Depth: 1736
Public Info Code: Y 14-AUG-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9210 / 8272	DEF AT first sample examined	DEF AT
9211 / 8273	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9300 / 8349	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10020 / 8991	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
11280 /10200	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11730 /10634	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11880 /10778	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12390 /11270	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12480 /11357	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12640 /11512	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 01-MAR-1995	First Sample Examined: 2625
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 16837
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16500
API Well Number: 608074081500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 2625 - 16837	Water Depth: 1611
Public Info Code: Y 08-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2625 / 2625	DEF AT first sample examined	DEF AT 4
2750 / 2750	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
2840 / 2840	DEF AT - - - - -	DEF AT 5
4700 / 4700	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5420 / 5420	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
9080 / 9080	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11060 /11060	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
12260 /12239	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13070 /12993	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
13310 /13217	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
13340 /13245	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13430 /13329	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
14990 /14781	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
15620 /15365	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15740 /15477	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
16100 /15812	DEF AT foram flood	DEF AT 5
16400 /16091	DEF AT foram flood	DEF AT 5
16460 /16147	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16700 /16371	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
16759 /16427	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
16760 /16428	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16837 /16500	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 215	<b>Date of Summary:</b> 02-MAR-1996	<b>First Sample Examined:</b> 2625
<b>Lease Number:</b> G09216	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16837
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16500
<b>API Well Number:</b> 608074081500	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2625 - 16837	<b>Water Depth:</b> 1611
<b>Public Info Code:</b> Y 08-MAR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2625 / 2625	DEF AT first sample examined	DEF AT
2626 / 2626	DEF IN Upper Pleistocene (Ionian) Emiliana huxleyi (base of acme)	DEF AT
3980 / 3980	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7640 / 7640	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9679 / 9679	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9680 / 9680	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10850 /10850	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12230 /12210	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12560 /12520	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13340 /13245	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13370 /13273	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13430 /13329	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15650 /15393	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16400 /16091	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16430 /16119	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16610 /16287	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16837 /16500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 215	<b>Date of Summary:</b> 17-JAN-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09216	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17016
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17000
<b>API Well Number:</b> 608074015900	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1462
<b>Public Info Code:</b> Y 05-JAN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11870 /11857	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
13700 /13687	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14030 /14016	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15350 /15336	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 08-APR-1997	First Sample Examined: 0
Lease Number: G09216	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21692
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 21683
API Well Number: 608074016000	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1451
Public Info Code: Y 07-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11240 /11235	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
13600 /13595	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15460 /15455	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
18120 /18114	DEF AT salt	DEF AT
19060 /19053	DEF AT base of salt	DEF AT
19600 /19592	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12370 /12340	DEF AT first sample examined	POS AT 5
12371 /12341	DEF AT cement	POS AT 5
13090 /13060	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13240 /13210	DEF AT - - - - -	DEF AT 5
13720 /13689	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
13930 /13899	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16030 /15989	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
16270 /16228	DEF AT Bathysiphon fauna	DEF AT 5
16630 /16587	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
16810 /16766	DEF AT Bathysiphon fauna	DEF IN 5
16930 /16886	DEF AT foram flood	DEF IN 5
17200 /17155	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
17258 /17212	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
17259 /17213	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
17260 /17214	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
17530 /17484	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
18010 /17964	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
18250 /18204	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
18310 /18264	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
18638 /18591	DEF AT gouge	DEF AT 6
18639 /18592	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 6
18640 /18593	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 215	<b>Date of Summary:</b> 22-APR-1998	<b>First Sample Examined:</b> 12370
<b>Lease Number:</b> G09216	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22186
<b>Well Name:</b> 005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22134
<b>API Well Number:</b> 608074017200	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12370 - 22170	<b>Water Depth:</b> 1464
<b>Public Info Code:</b> Y 17-APR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18730 /18683	POS AT anhydrite	DEF AT 6
18731 /18684	DEF AT salt	DEF AT 6
19480 /19432	DEF AT base of salt	DEF AT 6
19570 /19522	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
21670 /21619	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
22170 /22119	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, 19510=absence of salt, analysis at 19680 based on sidewall cores

MD / TVD	Paleo Top Description	Ecozone
12370 /12340	DEF AT first sample examined	DEF AT
12940 /12910	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13210 /13180	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13360 /13330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13960 /13929	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14170 /14138	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15250 /15213	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16030 /15989	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16870 /16826	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17080 /17035	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17380 /17334	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
17800 /17754	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18040 /17994	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18070 /18024	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18340 /18294	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18370 /18323	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18640 /18593	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
18760 /18713	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
18850 /18803	DEF AT salt	DEF AT
19510 /19462	POS AT base of salt	DEF AT
19680 /19632	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21220 /21170	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 215	<b>Date of Summary:</b> 22-APR-1998	<b>First Sample Examined:</b> 12370
<b>Lease Number:</b> G09216	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22186
<b>Well Name:</b> 005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22134
<b>API Well Number:</b> 608074017200	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12370 - 22170	<b>Water Depth:</b> 1464
<b>Public Info Code:</b> Y 17-APR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21640 /21590	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22170 /22119	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 25-FEB-1999	First Sample Examined: 8218
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22133
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22012
API Well Number: 608074018700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8218 - 22133	Water Depth: 1464
Public Info Code: Y 27-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
8218 / 8215	DEF AT first sample examined	POS AT 5
8219 / 8216	DEF AT cement	POS AT 5
8360 / 8357	DEF AT - - - - -	DEF AT 5
8480 / 8477	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9350 / 9328	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10880 /10786	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11960 /11848	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
14330 /14216	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14870 /14756	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15075 /14961	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15110 /14996	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15170 /15056	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
15290 /15176	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
15590 /15476	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
15740 /15626	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15770 /15656	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16340 /16226	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16370 /16256	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17870 /17756	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
19640 /19525	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20180 /20064	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
20330 /20214	DEF AT - - - - -	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 215	<b>Date of Summary:</b> 25-FEB-1999	<b>First Sample Examined:</b> 8218
<b>Lease Number:</b> G09216	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22133
<b>Well Name:</b> 006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22012
<b>API Well Number:</b> 608074018700	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8218 - 22133	<b>Water Depth:</b> 1464
<b>Public Info Code:</b> Y 27-JAN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21530 /21411	DEF AT - - - - -	DEF AT 6
21560 /21441	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
22133 /22012	DEF AT last sample examined	DEF AT 6



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 25-FEB-1999	First Sample Examined: 8218
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22133
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22012
API Well Number: 608074018700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8218 - 22133	Water Depth: 1464
Public Info Code: Y 27-JAN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8218 / 8215	DEF AT first sample examined	DEF AT
8480 / 8477	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10040 / 9983	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11990 /11877	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12560 /12446	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14180 /14066	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14270 /14156	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14870 /14756	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15020 /14906	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15050 /14936	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15080 /14966	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15230 /15116	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15320 /15206	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15410 /15296	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15530 /15416	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15560 /15446	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15680 /15566	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15770 /15656	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16490 /16376	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17030 /16916	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
18500 /18386	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19040 /18925	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215  
 Lease Number: G09216  
 Well Name: 006  
 API Well Number: 608074018700  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 27-JAN-2009

Date of Summary: 25-FEB-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: HESS CORPORATION  
 Sample Range: 8218 - 22133  
 Ecozone Eq MMS:

First Sample Examined: 8218  
 Borehole MD: 22133  
 Borehole TVD: 22012  
 Rkb Elevation: 82  
 Water Depth: 1464  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19550 /19435	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19670 /19555	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
19880 /19764	DEF AT out-of-place section	DEF AT
19970 /19854	POS IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21560 /21441	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
22133 /22012	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 13-MAR-2001	First Sample Examined: 0
Lease Number: G09216	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21158
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 20882
API Well Number: 608074020101	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1457
Public Info Code: Y 26-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18136 /18080	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18485 /18429	DEF AT salt	DEF AT
19840 /19751	DEF AT base of salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 13-JUN-1995	First Sample Examined: 0
Lease Number: G14224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20171
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18483
API Well Number: 608074081502	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1611
Public Info Code: Y 30-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13580 /13162	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
16170 /15252	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 215	Date of Summary: 13-JUN-1995	First Sample Examined: 0
Lease Number: G14224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20826
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18331
API Well Number: 608074081503	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1611
Public Info Code: Y 19-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17190 /16036	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
18110 /16623	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 216	Date of Summary: 09-JAN-1996	First Sample Examined: 2600
Lease Number: G14224	Source of Paleo: OPERATOR	Borehole MD: 16782
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16776
API Well Number: 608074081900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 2600 - 16782	Water Depth: 1456
Public Info Code: Y 07-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2600 / 2600	DEF AT first sample examined	DEF AT 4
2690 / 2690	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3800 / 3800	DEF AT -----	DEF AT 5
6890 / 6890	DEF AT -----	DEF AT 4
9260 / 9260	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
12650 /12649	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12770 /12769	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
13610 /13609	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14210 /14209	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16160 /16152	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16310 /16302	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16520 /16511	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16610 /16600	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
16782 /16771	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 216	<b>Date of Summary:</b> 27-OCT-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14224	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 20500
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 20400
<b>API Well Number:</b> 608074016700	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1447
<b>Public Info Code:</b> Y 27-OCT-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9290 / 9290	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
11480 /11480	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
15140 /15054	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
15980 /15882	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
16250 /16151	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
16310 /16211	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
16520 /16421	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
18440 /18340	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 216	Date of Summary: 12-SEP-2006	First Sample Examined: 13340
Lease Number: G14224	Source of Paleo: OPERATOR	Borehole MD: 20334
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19830
API Well Number: 608074016701	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 13340 - 20334	Water Depth: 1448
Public Info Code: Y 31-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13340 /13127	DEF AT first sample examined	DEF IN 5
13370 /13154	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
13550 /13314	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
13610 /13367	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
13970 /13688	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
14180 /13875	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
14360 /14036	DEF AT - - - - -	DEF IN 5
14450 /14116	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
14660 /14303	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
14690 /14330	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
14719 /14356	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
14720 /14357	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
16740 /16239	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
16920 /16418	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
17000 /16497	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
17020 /16517	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
17040 /16537	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
17100 /16597	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
17120 /16617	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
17140 /16637	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
17160 /16657	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
17238 /16735	POS AT salt weld	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 216	Date of Summary: 12-SEP-2006	First Sample Examined: 13340
Lease Number: G14224	Source of Paleo: OPERATOR	Borehole MD: 20334
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19830
API Well Number: 608074016701	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 13340 - 20334	Water Depth: 1448
Public Info Code: Y 31-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17239 /16736	POS AT reworked material	DEF IN 5
17240 /16737	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
17259 /16756	POS AT out-of-place section	DEF IN 5
17260 /16756	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
17280 /16776	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
17560 /17056	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
17739 /17235	POS AT salt weld	DEF AT 6
17740 /17236	DEF AT out-of-place section	DEF AT 6
17760 /17256	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
17790 /17286	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
17800 /17296	DEF AT - - - - -	DEF IN 5
17829 /17325	POS AT out-of-place section	DEF AT 5
17830 /17326	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
18400 /17896	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
18770 /18266	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
19060 /18556	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF IN 5
19300 /18796	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
19900 /19396	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
20334 /19830	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 216	Date of Summary: 17-OCT-2001	First Sample Examined: 0
Lease Number: G14224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18175
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 16147
API Well Number: 608074022600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1481
Public Info Code: Y 14-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17036 /15332	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17710 /15804	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 217	Date of Summary: 06-JAN-1999	First Sample Examined: 2852
Lease Number: G14225	Source of Paleo: OPERATOR	Borehole MD: 17361
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17354
API Well Number: 608074018500	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2852 - 17358	Water Depth: 1490
Public Info Code: Y 31-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

MD / TVD	Paleo Top Description	Ecozone
2852 / 2852	DEF AT first sample examined	POS AT 4
2853 / 2853	DEF AT cement	POS AT 4
2880 / 2880	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
2970 / 2970	DEF AT - - - - -	DEF AT 5
5220 / 5220	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9570 / 9570	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10530 /10530	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
11460 /11460	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11550 /11550	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11730 /11730	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
12390 /12390	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13500 /13499	DEF AT Bathysiphon fauna	DEF AT 5
13530 /13529	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14040 /14039	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14340 /14339	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
14550 /14549	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14670 /14669	DEF AT salt	DEF AT 5
17358 /17351	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 217	Date of Summary: 06-JAN-1999	First Sample Examined: 2852
Lease Number: G14225	Source of Paleo: OPERATOR	Borehole MD: 17361
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17354
API Well Number: 608074018500	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2852 - 17358	Water Depth: 1490
Public Info Code: Y 31-DEC-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2852 / 2852	DEF AT first sample examined	DEF AT
4110 / 4110	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5160 / 5160	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9450 / 9450	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9480 / 9480	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10980 /10980	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11460 /11460	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11910 /11910	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12240 /12240	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12330 /12330	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12600 /12600	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14070 /14069	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14430 /14429	DEF AT out-of-place section	DEF AT
15240 /15239	DEF AT salt	DEF AT
17358 /17351	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 217	Date of Summary: 06-JAN-1999	First Sample Examined: 16710
Lease Number: G14225	Source of Paleo: OPERATOR	Borehole MD: 20538
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20520
API Well Number: 608074018501	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 16710 - 20510	Water Depth: 1490
Public Info Code: Y 31-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16710 /16704	DEF AT first sample examined	DEF AT 5
16711 /16705	DEF IN salt	DEF AT 5
17310 /17303	POS AT Eocene	DEF AT 5
19680 /19664	DEF AT base of salt	DEF AT 5
19810 /19794	DEF AT Upper (Late) Miocene	DEF AT 5
20510 /20492	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 217	Date of Summary: 06-JAN-1999	First Sample Examined: 16710
Lease Number: G14225	Source of Paleo: OPERATOR	Borehole MD: 20538
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20520
API Well Number: 608074018501	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16710 - 20500	Water Depth: 1490
Public Info Code: Y 31-DEC-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16710 /16704	DEF AT first sample examined	DEF AT
19680 /19664	POS IN Upper (Late) Miocene	DEF AT
19780 /19764	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
20500 /20482	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 235	Date of Summary: 20-AUG-1990	First Sample Examined: 1700
Lease Number: G07454	Source of Paleo: OPERATOR	Borehole MD: 11596
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9096
API Well Number: 608074062000	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 1700 - 11590	Water Depth: 806
Public Info Code: Y 31-AUG-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1700 / 1700	DEF AT first sample examined	DEF AT
1970 / 1970	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4280 / 4280	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7610 / 6783	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11590 / 9093	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 235	<b>Date of Summary:</b> 21-AUG-1990	<b>First Sample Examined:</b> 1700
<b>Lease Number:</b> G07454	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11596
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9096
<b>API Well Number:</b> 608074062000	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1700 - 11590	<b>Water Depth:</b> 806
<b>Public Info Code:</b> Y 04-SEP-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1700 / 1700	DEF AT first sample examined	DEF AT 3
4190 / 4190	DEF AT - - - - -	DEF AT 4
4340 / 4340	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
4550 / 4550	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5240 / 5219	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5780 / 5696	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7910 / 6949	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10660 / 8548	DEF AT local marker benthic foram increase	DEF AT 5
11590 / 9093	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 235	Date of Summary: 09-JUL-1991	First Sample Examined: 3860
Lease Number: G07454	Source of Paleo: OPERATOR	Borehole MD: 7500
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6809
API Well Number: 608074062700	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 3860 - 7500	Water Depth: 756
Public Info Code: Y 02-AUG-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3860 / 3860	DEF AT first sample examined	DEF AT
3949 / 3949	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
3950 / 3950	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4040 / 4039	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
5300 / 5218	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
6470 / 6047	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6950 / 6407	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7250 / 6628	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7500 / 6809	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 235	Date of Summary: 10-JUL-1991	First Sample Examined: 3860
Lease Number: G07454	Source of Paleo: OPERATOR	Borehole MD: 7500
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6809
API Well Number: 608074062700	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 3860 - 7500	Water Depth: 756
Public Info Code: Y 02-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3860 / 3860	DEF AT first sample examined	DEF IN 4
3949 / 3949	DEF AT foram flood	DEF AT 5
3950 / 3950	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4640 / 4627	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
6500 / 6069	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6800 / 6295	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6980 / 6429	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 5
7500 / 6809	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 235	Date of Summary: 13-MAY-1992	First Sample Examined: 1725
Lease Number: G07454	Source of Paleo: OPERATOR	Borehole MD: 10128
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7850
API Well Number: 608074010600	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 83
Paleo Report Num: 1 of 4	Sample Range: 1725 - 7000	Water Depth: 785
Public Info Code: Y 31-MAY-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1725 / 1725	DEF AT first sample examined	DEF IN 3
4070 / 4070	DEF AT -----	DEF AT 4
4280 / 4279	DEF AT -----	DEF AT 5
4370 / 4369	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5150 / 5145	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5360 / 5349	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5510 / 5491	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "A")	DEF AT 5
7000 / 6433	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 235	<b>Date of Summary:</b> 13-MAY-1992	<b>First Sample Examined:</b> 1725
<b>Lease Number:</b> G07454	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10128
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7850
<b>API Well Number:</b> 608074010600	<b>Drilling Operator:</b> LLECO HOLDINGS INC.	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 1725 - 7000	<b>Water Depth:</b> 785
<b>Public Info Code:</b> Y 31-MAY-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report for original hole, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1725 / 1725	DEF AT first sample examined	DEF AT
4160 / 4160	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4340 / 4339	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
5510 / 5491	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
6920 / 6401	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7000 / 6433	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 235	<b>Date of Summary:</b> 13-MAY-1992	<b>First Sample Examined:</b> 7010
<b>Lease Number:</b> G07454	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10128
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7850
<b>API Well Number:</b> 608074010600	<b>Drilling Operator:</b> LLECO HOLDINGS INC.	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 7010 - 10128	<b>Water Depth:</b> 785
<b>Public Info Code:</b> Y 31-MAY-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7010 / 6436	DEF AT first sample examined	DEF AT 5
9820 / 7706	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9850 / 7720	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9880 / 7734	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
10128 / 7850	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 235	<b>Date of Summary:</b> 13-MAY-1992	<b>First Sample Examined:</b> 7010
<b>Lease Number:</b> G07454	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10128
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7850
<b>API Well Number:</b> 608074010600	<b>Drilling Operator:</b> LLECO HOLDINGS INC.	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 7010 - 10120	<b>Water Depth:</b> 785
<b>Public Info Code:</b> Y 31-MAY-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report for sidetrack, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7010 / 6436	DEF AT first sample examined	DEF AT
9819 / 7706	POS IN out-of-place section	DEF AT
9820 / 7706	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10120 / 7846	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 237	Date of Summary: 23-JUL-1998	First Sample Examined: 2000
Lease Number: G02812	Source of Paleo: OPERATOR	Borehole MD: 13557
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 13541
API Well Number: 608074063800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 2000 - 13557	Water Depth: 689
Public Info Code: Y 27-JAN-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2000 / 2000	DEF AT first sample examined	DEF AT 1
2240 / 2240	DEF AT -----	DEF AT 2
2540 / 2540	DEF AT -----	DEF AT 3
2600 / 2600	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
2660 / 2660	DEF AT -----	DEF AT 4
2780 / 2780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
3380 / 3380	DEF AT -----	DEF AT 3
3560 / 3560	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
3680 / 3680	DEF AT -----	DEF AT 4
5630 / 5630	DEF AT -----	DEF AT 3
5900 / 5900	DEF AT -----	DEF AT 4
6110 / 6110	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6200 / 6200	DEF AT -----	POS AT 4
6290 / 6290	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 4
7130 / 7129	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
7280 / 7279	DEF AT -----	DEF AT 5
8610 / 8608	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
10020 /10016	DEF AT -----	DEF AT 2
10800 /10794	DEF AT -----	DEF AT 4
12540 /12527	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
13557 /13541	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 240  
 Lease Number: G10342  
 Well Name: 002  
 API Well Number: 608074007300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 23-SEP-2000

Date of Summary: 03-MAR-1991  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 3410 - 14150  
 Ecozone Eq MMS: Y

First Sample Examined: 3410  
 Borehole MD: 14161  
 Borehole TVD: 13461  
 Rkb Elevation: 72  
 Water Depth: 784  
 Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3410 / 3410	DEF AT first sample examined	DEF AT 5
3411 / 3411	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
4130 / 4130	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7640 / 7640	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9770 / 9750	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
14150 /13459	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 240	Date of Summary: 30-MAR-2000	First Sample Examined: 0
Lease Number: G10342	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12000
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11989
API Well Number: 608074013100	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 832
Public Info Code: Y 26-AUG-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8120 / 8120	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10420 /10414	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 240	<b>Date of Summary:</b> 30-JUL-2001	<b>First Sample Examined:</b> 2345
<b>Lease Number:</b> G10342	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9446
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9179
<b>API Well Number:</b> 608074022700	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2345 - 9446	<b>Water Depth:</b> 900
<b>Public Info Code:</b> Y 26-AUG-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2345 / 2345	DEF AT first sample examined	DEF AT 4
4500 / 4500	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
6000 / 6000	DEF AT sample gap top	DEF AT
6236 / 6236	DEF AT sample gap bottom	DEF AT
6390 / 6390	DEF AT - - - - -	DEF IN 4
7920 / 7913	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "A")	DEF IN 4
8190 / 8164	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
9446 / 9179	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 240	Date of Summary: 30-JUL-2001	First Sample Examined: 2345
Lease Number: G10342	Source of Paleo: OPERATOR	Borehole MD: 9446
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9179
API Well Number: 608074022700	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2345 - 9446	Water Depth: 900
Public Info Code: Y 26-AUG-2002	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2345 / 2345	DEF AT first sample examined	DEF AT
3570 / 3570	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5610 / 5610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6000 / 6000	DEF AT sample gap top	DEF AT
6236 / 6236	DEF AT sample gap bottom	DEF AT
7860 / 7855	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7920 / 7913	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8190 / 8164	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9420 / 9159	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9446 / 9179	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 243	<b>Date of Summary:</b> 06-NOV-2006	<b>First Sample Examined:</b> 2368
<b>Lease Number:</b> G23280	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18398
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17455
<b>API Well Number:</b> 608074027800	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2368 - 18397	<b>Water Depth:</b> 1229
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2368 / 2368	DEF AT first sample examined	DEF IN 5
2669 / 2669	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
2670 / 2670	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
2880 / 2880	DEF AT - - - - -	DEF AT 3
3870 / 3870	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 3
3899 / 3899	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
3900 / 3900	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
3960 / 3960	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
4080 / 4080	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
4110 / 4110	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
4170 / 4170	DEF AT - - - - -	DEF AT 3
4260 / 4260	DEF AT anhydrite	DEF AT 3
4350 / 4350	DEF AT salt	DEF AT 3
14579 /14177	DEF AT base of salt	POS AT 3
14580 /14178	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 3
14610 /14204	DEF AT - - - - -	DEF AT 5
15419 /14898	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
15420 /14899	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
15690 /15131	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
15840 /15260	DEF AT out-of-place section	DEF AT 5
15960 /15363	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
16049 /15439	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 243	<b>Date of Summary:</b> 06-NOV-2006	<b>First Sample Examined:</b> 2368
<b>Lease Number:</b> G23280	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18398
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17455
<b>API Well Number:</b> 608074027800	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2368 - 18397	<b>Water Depth:</b> 1229
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16050 /15440	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
16110 /15492	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17040 /16291	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18397 /17454	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 243	Date of Summary: 18-OCT-2006	First Sample Examined: 14040
Lease Number: G23280	Source of Paleo: OPERATOR	Borehole MD: 24075
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22434
API Well Number: 608074027801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14040 - 24075	Water Depth: 1224
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14040 /12911	DEF AT first sample examined	DEF AT
14041 /12912	DEF IN salt	DEF AT
15030 /13808	DEF AT base of salt	DEF IN 5
15060 /13837	DEF AT out-of-place section	DEF IN 5
15270 /14038	DEF AT base of salt	DEF AT 5
15299 /14065	POS AT out-of-place section	DEF AT 5
15300 /14066	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
15659 /14409	POS AT out-of-place section	DEF AT 5
15660 /14410	DEF AT local marker floral increase	DEF IN 5
16140 /14868	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
16410 /15125	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
16620 /15326	POS AT transported outer shelf facies	POS IN 5
16650 /15354	DEF AT out-of-place section	POS IN 5
17580 /16241	DEF AT - - - - -	DEF IN 5
17910 /16556	POS AT transported outer shelf facies	POS IN 5
18000 /16642	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	POS IN 5
18090 /16728	DEF AT - - - - -	DEF IN 5
18403 /17026	POS AT out-of-place section	DEF AT 5
18404 /17027	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
18630 /17243	POS AT transported outer shelf facies	POS IN 5
19710 /18273	DEF AT - - - - -	DEF IN 5
19889 /18444	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 243  
Lease Number: G23280  
Well Name: 001  
API Well Number: 608074027801  
Paleo Report Num: 1 of 1  
Public Info Code: Y 14-MAR-2010

Date of Summary: 18-OCT-2006  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 14040 - 24075  
Ecozone Eq MMS: Y

First Sample Examined: 14040  
Borehole MD: 24075  
Borehole TVD: 22434  
Rkb Elevation: 82  
Water Depth: 1224  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19890 /18445	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
19949 /18501	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
19950 /18502	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
20160 /18702	DEF AT -----	DEF AT 5
20310 /18845	POS AT transported outer shelf facies	POS AT 5
20880 /19387	DEF AT -----	DEF AT 4
21000 /19502	DEF AT -----	DEF AT 5
21150 /19645	DEF AT -----	DEF IN 5
21390 /19874	DEF AT -----	DEF AT 6
21600 /20074	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
21870 /20332	DEF AT -----	DEF AT 4
22110 /20561	DEF AT -----	DEF AT 6
22230 /20675	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
22440 /20875	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
23220 /21619	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
24075 /22434	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 30-OCT-1997	<b>First Sample Examined:</b> 5670
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17258
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17250
<b>API Well Number:</b> 608074017100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5670 - 17215	<b>Water Depth:</b> 2124
<b>Public Info Code:</b> Y 14-OCT-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5670 / 5669	DEF AT first sample examined	DEF AT
6480 / 6479	DEF AT - - - - -	DEF AT 4
7770 / 7769	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
15300 /15295	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17215 /17207	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 30-OCT-1997	<b>First Sample Examined:</b> 5670
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17258
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17250
<b>API Well Number:</b> 608074017100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5670 - 17215	<b>Water Depth:</b> 2124
<b>Public Info Code:</b> Y 14-OCT-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5670 / 5669	DEF AT first sample examined	DEF AT
6330 / 6329	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9180 / 9179	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12090 /12087	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12180 /12177	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12660 /12657	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13770 /13766	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14520 /14516	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15270 /15265	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15450 /15445	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17215 /17207	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 244	Date of Summary: 28-AUG-2001	First Sample Examined: 13500
Lease Number: G15860	Source of Paleo: OPERATOR	Borehole MD: 23730
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23726
API Well Number: 608074022800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13500 - 23730	Water Depth: 2115
Public Info Code: Y 14-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13499	DEF AT first sample examined	DEF AT 4
15180 /15179	DEF AT - - - - -	DEF AT 5
15300 /15299	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16530 /16529	DEF AT - - - - -	DEF AT 4
17400 /17399	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18990 /18988	DEF AT - - - - -	DEF AT 5
19139 /19137	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
19140 /19138	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19830 /19827	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
19860 /19857	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
20430 /20426	DEF AT - - - - -	DEF IN 5
21060 /21055	DEF AT - - - - -	DEF AT 5
21180 /21175	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
21210 /21205	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21240 /21235	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
21300 /21295	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21420 /21415	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
21480 /21475	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
21660 /21655	DEF AT - - - - -	DEF AT 5
22890 /22884	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
23340 /23334	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
23730 /23724	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 28-AUG-2001	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23730
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23726
<b>API Well Number:</b> 608074022800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13500 - 23730	<b>Water Depth:</b> 2115
<b>Public Info Code:</b> Y 14-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13499	DEF AT first sample examined	DEF AT
13770 /13769	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
14370 /14369	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15180 /15179	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15480 /15479	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16170 /16169	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17340 /17339	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18210 /18209	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18540 /18539	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18990 /18988	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
19110 /19108	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19830 /19827	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20460 /20456	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
20730 /20726	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20970 /20965	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
21060 /21055	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
21090 /21085	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
21180 /21175	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21210 /21205	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21270 /21265	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21300 /21295	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21330 /21325	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 28-AUG-2001	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23730
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23726
<b>API Well Number:</b> 608074022800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13500 - 23730	<b>Water Depth:</b> 2115
<b>Public Info Code:</b> Y 14-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21660 /21655	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23010 /23004	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23340 /23334	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23400 /23394	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
23549 /23543	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23550 /23544	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23730 /23724	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 244	Date of Summary: 25-OCT-2001	First Sample Examined: 19130
Lease Number: G15860	Source of Paleo: OPERATOR	Borehole MD: 22417
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22062
API Well Number: 608074022801	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 19130 - 22417	Water Depth: 2115
Public Info Code: Y 07-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19130 /18973	DEF AT first sample examined	DEF AT 4
19131 /18974	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
19730 /19520	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
20570 /20306	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
20840 /20560	DEF AT -----	DEF AT 6
21260 /20957	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
21830 /21498	DEF AT -----	DEF AT 5
22220 /21872	DEF AT -----	DEF AT 6
22417 /22061	DEF AT last sample examined	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 26-OCT-2001	<b>First Sample Examined:</b> 19130
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22417
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22062
<b>API Well Number:</b> 608074022801	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19130 - 22417	<b>Water Depth:</b> 2115
<b>Public Info Code:</b> Y 07-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19130 /18973	DEF AT first sample examined	DEF AT
19370 /19191	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19550 /19355	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19730 /19520	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
19850 /19632	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
20720 /20447	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
21860 /21527	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
22417 /22061	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 26-OCT-2001	<b>First Sample Examined:</b> 18600
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22085
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21895
<b>API Well Number:</b> 608074022802	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18600 - 22085	<b>Water Depth:</b> 2115
<b>Public Info Code:</b> Y 23-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18600 /18496	DEF AT first sample examined	DEF AT 4
18601 /18497	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
19290 /19143	DEF AT faunal change (no faunal increase)	DEF AT 5
19590 /19428	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
19650 /19485	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19680 /19514	DEF AT faunal change (no faunal increase)	DEF AT 6
20460 /20276	DEF AT faunal change (no faunal increase)	DEF AT 5
20910 /20722	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
21085 /20896	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 26-OCT-2001	<b>First Sample Examined:</b> 18600
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22085
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21895
<b>API Well Number:</b> 608074022802	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18600 - 22085	<b>Water Depth:</b> 2115
<b>Public Info Code:</b> Y 23-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18600 /18496	DEF AT first sample examined	DEF AT
18690 /18581	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19020 /18889	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19560 /19399	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
19620 /19457	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
20820 /20633	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
21030 /20842	DEF AT sample gap top	DEF AT
21120 /20931	DEF AT sample gap bottom	DEF AT
21420 /21231	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
21810 /21620	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22085 /21895	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 244	Date of Summary: 20-DEC-2001	First Sample Examined: 15000
Lease Number: G15860	Source of Paleo: OPERATOR	Borehole MD: 20454
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19959
API Well Number: 608074023500	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 15000 - 20654	Water Depth: 2115
Public Info Code: Y 14-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14975	DEF AT first sample examined	DEF AT 4
15270 /15227	DEF AT - - - - -	DEF AT 5
15420 /15365	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15630 /15559	DEF AT - - - - -	DEF AT 4
16590 /16432	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
16950 /16759	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17970 /17670	DEF AT - - - - -	DEF AT 5
18480 /18122	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
18570 /18201	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
18630 /18254	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
18720 /18334	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
18900 /18494	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
18960 /18547	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
19080 /18655	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
19350 /18901	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
19950 /19468	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
20454 /19959	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 20-DEC-2001	<b>First Sample Examined:</b> 15000
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20454
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19959
<b>API Well Number:</b> 608074023500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15000 - 20460	<b>Water Depth:</b> 2115
<b>Public Info Code:</b> Y 14-JAN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14975	DEF AT first sample examined	DEF AT
15360 /15310	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15420 /15365	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15450 /15393	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16410 /16269	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18060 /17750	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18120 /17803	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18210 /17883	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18450 /18095	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18570 /18201	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18630 /18254	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18690 /18308	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18960 /18547	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18990 /18574	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
19050 /18628	POS AT out-of-place section	DEF AT
19051 /18629	POS AT reworked material	DEF AT
19980 /19497	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
19981 /19498	POS AT Lower Miocene (Aquitainian) Sphenolithus dissimilis	DEF AT
20040 /19555	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
20460 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 244	Date of Summary: 29-JUL-2004	First Sample Examined: 15010
Lease Number: G15860	Source of Paleo: OPERATOR	Borehole MD: 23434
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23432
API Well Number: 608074026500	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 88
Paleo Report Num: 1 of 2	Sample Range: 15010 - 23437	Water Depth: 1946
Public Info Code: Y 29-JUL-2014	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15010 /15009	DEF AT first sample examined	DEF AT
15310 /15309	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17260 /17258	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18850 /18848	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19210 /19208	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19660 /19658	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
19690 /19688	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
20680 /20678	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
21460 /21458	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
22180 /22178	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22600 /22597	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
22960 /22957	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
23110 /23107	DEF AT local marker (general)	DEF AT
23170 /23167	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
23437 /	DEF AT last sample examined	DEF AT

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 244	<b>Date of Summary:</b> 30-JUL-2004	<b>First Sample Examined:</b> 15010
<b>Lease Number:</b> G15860	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23434
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23432
<b>API Well Number:</b> 608074026500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15010 - 23437	<b>Water Depth:</b> 1946
<b>Public Info Code:</b> Y 29-JUL-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15010 /15009	DEF AT first sample examined	DEF AT 4
15310 /15309	DEF AT faunal change (no faunal increase)	POS AT 5
17200 /17198	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
17260 /17258	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18610 /18608	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
19480 /19478	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
19690 /19688	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
20860 /20858	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
22600 /22597	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
22900 /22897	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
23437 /	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 248	<b>Date of Summary:</b> 01-FEB-1998	<b>First Sample Examined:</b> 6360
<b>Lease Number:</b> G13815	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21827
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 21000
<b>API Well Number:</b> 608074017800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6360 - 21830	<b>Water Depth:</b> 1337
<b>Public Info Code:</b> Y 30-SEP-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6360 / 6359	DEF AT first sample examined	DEF AT 4
6540 / 6539	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6660 / 6659	DEF AT local marker foram increase	DEF AT 4
7410 / 7408	DEF AT -----	DEF IN 3
7470 / 7468	DEF AT local marker foram decrease	DEF IN 3
8060 / 8058	POS AT reworked material	POS AT 3
8070 / 8068	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 3
8130 / 8128	DEF AT -----	DEF IN 3
8369 / 8367	DEF AT pyrite	DEF IN 3
8370 / 8368	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8430 / 8428	DEF AT -----	DEF AT 4
8490 / 8488	DEF AT local marker deep water fauna	DEF AT 5
8520 / 8518	DEF AT -----	POS AT 4
8759 / 8757	POS AT reworked material	DEF AT 4
8760 / 8758	DEF AT local marker foram increase	DEF AT 4
9060 / 9058	DEF AT -----	DEF AT 5
9180 / 9178	DEF AT -----	DEF AT 4
9780 / 9778	DEF AT -----	DEF IN 3
10020 /10018	DEF AT -----	DEF IN 3
10130 /10128	DEF AT local marker foram increase	DEF AT 5
10170 /10168	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10260 /10258	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 248  
 Lease Number: G13815  
 Well Name: 001  
 API Well Number: 608074017800  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 30-SEP-2000

Date of Summary: 01-FEB-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
 Sample Range: 6360 - 21830  
 Ecozone Eq MMS: Y

First Sample Examined: 6360  
 Borehole MD: 21827  
 Borehole TVD: 21000  
 Rkb Elevation: 74  
 Water Depth: 1337  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10380 /10378	DEF AT -----	POS AT 4
11160 /11158	DEF AT -----	DEF AT 4
11370 /11368	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12120 /12116	DEF AT -----	DEF IN 3
12240 /12235	DEF AT -----	DEF AT 5
12300 /12295	DEF AT local marker foram increase	DEF AT 5
12389 /12384	DEF AT pyrite	DEF AT 5
12390 /12385	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12600 /12592	DEF AT -----	DEF AT 4
12749 /12739	DEF AT pyrite	DEF AT 4
12750 /12740	DEF AT local marker foram increase	DEF AT 4
12780 /12770	DEF AT -----	DEF AT 5
13170 /13151	DEF AT -----	DEF AT 4
13650 /13610	POS AT local marker foram increase	DEF AT 4
13770 /13722	DEF AT -----	POS AT 4
14040 /13971	DEF AT -----	DEF AT 5
14220 /14136	DEF AT -----	POS AT 4
14520 /14409	DEF AT -----	DEF AT 4
14700 /14573	DEF AT local marker foram increase	DEF AT 4
14729 /14599	POS AT condensed section	DEF AT 4
14730 /14600	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14880 /14736	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 4
14940 /14790	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
15000 /14844	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 248	<b>Date of Summary:</b> 01-FEB-1998	<b>First Sample Examined:</b> 6360
<b>Lease Number:</b> G13815	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21827
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 21000
<b>API Well Number:</b> 608074017800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6360 - 21830	<b>Water Depth:</b> 1337
<b>Public Info Code:</b> Y 30-SEP-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15480 /15273	DEF AT -----	DEF IN 3
15870 /15620	DEF AT -----	DEF AT 4
15900 /15647	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16230 /15945	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
16350 /16054	DEF AT local marker deep water fauna	DEF AT 4
16410 /16108	DEF AT -----	DEF AT 4
17100 /16728	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17340 /16942	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17460 /17049	DEF AT -----	DEF AT 4
17670 /17234	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
17730 /17286	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18090 /17592	DEF AT local marker foram increase	DEF AT 6
18210 /17694	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18330 /17796	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18660 /18081	DEF AT local marker planktic foram increase	DEF AT 4
19110 /18476	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
19200 /18556	DEF AT local marker deep water fauna	DEF AT 5
19320 /18664	DEF AT local marker foram increase	DEF AT 5
19380 /18718	DEF AT -----	DEF AT 4
19650 /18962	DEF AT local marker foram increase	DEF AT 4
19680 /18989	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
19860 /19153	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
19920 /19208	DEF AT -----	DEF AT 4
20490 /19735	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 248	<b>Date of Summary:</b> 01-FEB-1998	<b>First Sample Examined:</b> 6360
<b>Lease Number:</b> G13815	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21827
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 21000
<b>API Well Number:</b> 608074017800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6360 - 21830	<b>Water Depth:</b> 1337
<b>Public Info Code:</b> Y 30-SEP-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20550 /19791	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
20730 /19959	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
20790 /20016	POS AT local marker (general)	DEF AT 6
20840 /20063	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
21030 /20242	DEF AT - - - - -	DEF AT 5
21150 /20355	DEF AT foram flood	DEF AT 5
21180 /20383	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
21240 /20440	DEF AT - - - - -	DEF AT 4
21810 /20983	DEF AT local marker foram increase	DEF AT 4
21830 /21002	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 248	Date of Summary: 26-JUN-2002	First Sample Examined: 6360
Lease Number: G13815	Source of Paleo: OPERATOR	Borehole MD: 21827
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21000
API Well Number: 608074017800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 6360 - 21830	Water Depth: 1337
Public Info Code: Y 30-SEP-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6360 / 6359	DEF AT first sample examined	DEF AT 4
6540 / 6539	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10170 /10168	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11240 /11238	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
12390 /12385	DEF AT - - - - -	DEF AT 5
12690 /12681	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT 4
12840 /12829	DEF AT sample gap top	DEF AT
13050 /13034	DEF AT sample gap bottom	DEF AT
13590 /13553	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
13920 /13861	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13921 /13861	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
14700 /14573	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
14729 /14599	DEF AT reworked material	DEF AT 4
14730 /14600	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14731 /14601	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
14910 /14763	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
15000 /14844	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
15480 /15273	POS AT reworked material	POS AT 4
15840 /15594	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 3
17130 /16755	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
17340 /16942	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18090 /17592	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 248  
Lease Number: G13815  
Well Name: 001  
API Well Number: 608074017800  
Paleo Report Num: 2 of 2  
Public Info Code: Y 30-SEP-2000

Date of Summary: 26-JUN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 6360 - 21830  
Ecozone Eq MMS: Y

First Sample Examined: 6360  
Borehole MD: 21827  
Borehole TVD: 21000  
Rkb Elevation: 74  
Water Depth: 1337  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18840 /18238	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
20520 /19763	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 5
20550 /19791	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
20609 /19846	POS AT unconformity	DEF AT 6
20610 /19847	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 6
20611 /19848	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
20640 /19875	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
21180 /20383	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	POS AT 6
21840 /	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 254	Date of Summary: 30-JUN-1994	First Sample Examined: 3060
Lease Number: G13816	Source of Paleo: OPERATOR	Borehole MD: 13000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13000
API Well Number: 608074011900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3060 - 13000	Water Depth: 1920
Public Info Code: Y 30-NOV-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3060 / 3060	DEF AT first sample examined	DEF AT
3990 / 3990	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6480 / 6480	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13000 /13000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 260	<b>Date of Summary:</b> 24-FEB-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07461	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17800
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17291
<b>API Well Number:</b> 608074081401	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1648
<b>Public Info Code:</b> Y 26-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12210 /12091	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15570 /15165	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
16191 /15753	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17428 /16937	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
17800 /17292	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 22-JAN-1998	First Sample Examined: 8523
Lease Number: G07461	Source of Paleo: OPERATOR	Borehole MD: 17964
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16002
API Well Number: 608074017900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8523 - 17962	Water Depth: 1646
Public Info Code: Y 16-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8523 / 8301	DEF AT first sample examined	DEF AT
8524 / 8302	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12560 /11597	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13100 /12047	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16160 /14544	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17510 /15632	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17600 /15705	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17962 /16000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 22-NOV-1991	First Sample Examined: 2470
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 18322
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18310
API Well Number: 608074080800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 2470 - 18322	Water Depth: 1648
Public Info Code: Y 13-DEC-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2470 / 2470	DEF AT first sample examined	DEF AT
3820 / 3820	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5230 / 5230	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8910 / 8909	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10080 /10079	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10890 /10888	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11460 /11458	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11520 /11518	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11550 /11548	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14250 /14245	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15029 /15023	DEF AT condensed section	DEF AT
15030 /15024	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17100 /17092	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18322 /18310	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 07-JUL-1993	First Sample Examined: 2470
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 18322
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18310
API Well Number: 608074080800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 2470 - 18322	Water Depth: 1648
Public Info Code: Y 13-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

MD / TVD	Paleo Top Description	Ecozone
2470 / 2470	DEF AT first sample examined	DEF IN 4
2800 / 2800	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
4240 / 4240	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7950 / 7949	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
8880 / 8879	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10230 /10229	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10560 /10559	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11550 /11548	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13800 /13796	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
14250 /14245	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14580 /14575	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
14910 /14904	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15090 /15084	DEF AT Bathysiphon fauna	DEF AT 5
15480 /15473	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
15900 /15893	DEF AT Bathysiphon fauna	DEF AT 5
15960 /15953	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16200 /16193	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
17130 /17122	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
18150 /18139	DEF AT Bathysiphon fauna	DEF AT 5
18180 /18169	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
18322 /18310	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260  
Lease Number: G07462  
Well Name: 001  
API Well Number: 608074080801  
Paleo Report Num: 1 of 2  
Public Info Code: Y 08-MAY-2002

Date of Summary: 23-APR-1992  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 13420 - 18487  
Ecozone Eq MMS: Y

First Sample Examined: 13420  
Borehole MD: 18487  
Borehole TVD: 17645  
Rkb Elevation: 83  
Water Depth: 1648  
Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
13420 /13416	DEF AT first sample examined	POS	AT	5
13421 /13417	DEF AT drilling material	POS	AT	5
13540 /13536	DEF AT - - - - -	DEF	AT	5
13600 /13595	POS AT reworked material	DEF	AT	5
14710 /14634	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
15940 /15612	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
17987 /17250	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF	AT	5
18040 /17291	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
18487 /17645	DEF AT last sample examined	DEF	AT	5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 23-APR-1992	First Sample Examined: 13420
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 18487
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17645
API Well Number: 608074080801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 13420 - 18488	Water Depth: 1648
Public Info Code: Y 08-MAY-2002	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13420 /13416	DEF AT first sample examined	DEF AT
13421 /13417	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14740 /14659	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16360 /15945	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17050 /16496	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18040 /17291	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18370 /17552	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18488 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 04-MAY-1993	First Sample Examined: 10130
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20086
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18846
API Well Number: 608074080802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 7	Sample Range: 10130 - 14993	Water Depth: 1648
Public Info Code: Y 26-MAY-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10130 /10130	DEF AT first sample examined	DEF AT 5
10280 /10280	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10850 /10847	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11030 /11026	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11240 /11235	DEF AT pyrite	DEF AT 5
11300 /11295	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11510 /11505	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13370 /13290	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13640 /13516	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13670 /13540	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13760 /13611	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
13970 /13778	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14030 /13825	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
14450 /14155	DEF AT anhydrite	DEF AT 6
14780 /14410	DEF AT gouge	DEF AT 6
14993 /14575	DEF AT last sample examined	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 04-MAY-1993	First Sample Examined: 12170
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20086
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18846
API Well Number: 608074080802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 2 of 7	Sample Range: 12170 - 17279	Water Depth: 1648
Public Info Code: Y 26-MAY-2003	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: First redrill report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12170 /12162	DEF AT first sample examined	DEF AT 5
12171 /12163	DEF AT poor sample interval top	DEF AT 5
13400 /13316	DEF AT - - - - -	DEF AT 6
14210 /13967	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14300 /14038	DEF AT poor sample interval bottom	DEF AT 6
14600 /14271	DEF AT anhydrite	DEF AT 6
14869 /14478	DEF AT gouge	DEF AT 6
14870 /14479	POS IN Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 6
17279 /16433	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 260	<b>Date of Summary:</b> 04-MAY-1993	<b>First Sample Examined:</b> 16000
<b>Lease Number:</b> G07462	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20086
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18846
<b>API Well Number:</b> 608074080802	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 3 of 7	<b>Sample Range:</b> 16000 - 20086	<b>Water Depth:</b> 1648
<b>Public Info Code:</b> Y 26-MAY-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Second redrill report, 17150=anhydrite drops out, probably out of salt

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15403	DEF AT first sample examined	DEF AT
16001 /15403	DEF AT anhydrite	DEF AT
17080 /16277	DEF AT - - - - -	DEF AT 6
17150 /16333	DEF AT base of salt	DEF AT 6
17830 /16860	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
18610 /17471	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
20086 /18846	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 04-MAY-1993	First Sample Examined: 10130
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20086
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18846
API Well Number: 608074080802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 4 of 7	Sample Range: 10130 - 14993	Water Depth: 1648
Public Info Code: Y 26-MAY-2003	Ecozone Eq MMS:	Paleo ID: 005

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10130 /10130	DEF AT first sample examined	DEF AT
10131 /10131	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10940 /10936	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11300 /11295	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11480 /11475	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11540 /11534	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13340 /13264	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13580 /13467	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13670 /13540	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14120 /13896	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14210 /13967	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14564 /14243	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14780 /14410	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
14810 /14433	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
14993 /14575	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 04-MAY-1993	First Sample Examined: 12170
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20086
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18846
API Well Number: 608074080802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 5 of 7	Sample Range: 12170 - 17279	Water Depth: 1648
Public Info Code: Y 26-MAY-2003	Ecozone Eq MMS:	Paleo ID: 006

**Remark:** Calcareous nannofossil report for first redrill, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12170 /12162	DEF AT first sample examined	DEF AT
12171 /12163	DEF AT out-of-place section	DEF AT
13520 /13417	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13610 /13491	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13760 /13611	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13850 /13683	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14300 /14038	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14570 /14248	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14840 /14456	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
15650 /15123	DEF AT Lower Oligocene	DEF AT
17279 /16433	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 04-MAY-1993	First Sample Examined: 16000
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20086
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18846
API Well Number: 608074080802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 6 of 7	Sample Range: 16000 - 20086	Water Depth: 1648
Public Info Code: Y 26-MAY-2003	Ecozone Eq MMS:	Paleo ID: 007

**Remark:** Calcareous nannofossil report for second redrill, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15403	DEF AT first sample examined	DEF AT
18000 /16990	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18470 /17353	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
18580 /17446	DEF AT local marker floral increase	DEF AT
18710 /17558	DEF AT local marker floral increase	DEF AT
20086 /18846	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 04-MAY-1993	First Sample Examined: 10130
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20086
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18846
API Well Number: 608074080802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 7 of 7	Sample Range: 10130 - 14993	Water Depth: 1648
Public Info Code: Y 26-MAY-2003	Ecozone Eq MMS:	Paleo ID: 008

**Remark:** Calcareous nannofossil report for original hole, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10130 /10130	DEF AT first sample examined	DEF AT
10131 /10131	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10940 /10936	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11300 /11295	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11480 /11475	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11540 /11534	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13340 /13264	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13580 /13467	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13670 /13540	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14120 /13896	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14210 /13967	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14564 /14243	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14780 /14410	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
14810 /14433	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
14993 /14575	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 260	<b>Date of Summary:</b> 07-OCT-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07462	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17239
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17000
<b>API Well Number:</b> 608074016800	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1648
<b>Public Info Code:</b> Y 01-OCT-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15737 /15499	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16930 /16692	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 23-NOV-1993	First Sample Examined: 2630
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20446
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18526
API Well Number: 608074081200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 2630 - 15895	Water Depth: 1650
Public Info Code: Y 19-DEC-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2650 / 2650	DEF AT first sample examined	DEF AT 4
2830 / 2830	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
4210 / 4210	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5650 / 5650	DEF AT - - - - -	DEF AT 4
7840 / 7840	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
8890 / 8890	DEF AT - - - - -	DEF AT 5
11080 /11063	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5
11710 /11638	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14230 /13720	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14650 /14031	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14800 /14139	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14890 /14204	DEF AT - - - - -	DEF AT 6
15100 /14359	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15550 /14699	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
15610 /14744	DEF AT anhydrite	DEF AT 6
15895 /14955	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 23-NOV-1993	First Sample Examined: 2650
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20446
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18526
API Well Number: 608074081200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 2650 - 15895	Water Depth: 1650
Public Info Code: Y 19-DEC-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report for original hole, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2650 / 2650	DEF AT first sample examined	DEF AT
3730 / 3730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5230 / 5230	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8980 / 8980	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10180 /10180	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10930 /10920	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11560 /11505	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11680 /11612	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14290 /13765	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14440 /13876	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14470 /13899	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14680 /14052	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14860 /14182	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15610 /14744	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15760 /14855	DEF AT out-of-place section	DEF AT
15895 /14955	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 260	<b>Date of Summary:</b> 23-NOV-1993	<b>First Sample Examined:</b> 13668
<b>Lease Number:</b> G07462	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20446
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18526
<b>API Well Number:</b> 608074081200	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 13668 - 20440	<b>Water Depth:</b> 1650
<b>Public Info Code:</b> Y 19-DEC-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Redrill report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13668 /13293	DEF AT first sample examined	DEF AT 5
14170 /13674	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14380 /13832	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14440 /13876	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14560 /13965	DEF AT - - - - -	DEF AT 6
14770 /14118	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15130 /14382	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
15250 /14473	DEF AT anhydrite	DEF AT
15669 /14788	DEF AT out-of-place section	DEF AT 6
15670 /14789	POS AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 6
19210 /17549	DEF AT base of salt	DEF AT 6
19260 /17591	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
20440 /18521	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 23-NOV-1993	First Sample Examined: 13668
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 20446
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18526
API Well Number: 608074081200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 13668 - 20440	Water Depth: 1650
Public Info Code: Y 19-DEC-2003	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report for redrill, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13668 /13293	DEF AT first sample examined	DEF AT
14350 /13810	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14440 /13876	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14530 /13943	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14612 /14003	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14890 /14204	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15070 /14336	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15250 /14473	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15430 /14609	DEF AT out-of-place section	DEF AT
20300 /18418	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20440 /18521	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260  
Lease Number: G07462  
Well Name: A002  
API Well Number: 608074081201  
Paleo Report Num: 1 of 3  
Public Info Code: Y 30-MAR-2004

Date of Summary: 23-NOV-1993  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 13668 - 20440  
Ecozone Eq MMS: Y

First Sample Examined: 13668  
Borehole MD: 18537  
Borehole TVD: 17767  
Rkb Elevation: 82  
Water Depth: 1648  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13668 /13294	DEF AT first sample examined	DEF AT 5
14170 /13739	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14380 /13933	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14440 /13988	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14560 /14099	DEF AT - - - - -	DEF AT 6
14770 /14293	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15130 /14625	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
15250 /14735	DEF AT anhydrite	DEF AT 6
15670 /15123	DEF AT out-of-place section	DEF AT 6
19210 /	DEF AT base of salt	DEF AT 6
19260 /	DEF AT out-of-place section	DEF AT 6
20440 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 04-MAR-1994	First Sample Examined: 13552
Lease Number: G07462	Source of Paleo: OPERATOR	Borehole MD: 18537
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17767
API Well Number: 608074081201	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 13552 - 18520	Water Depth: 1648
Public Info Code: Y 30-MAR-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13552 /13198	DEF AT first sample examined	DEF AT
13553 /13199	DEF AT cement	DEF AT
14220 /13785	DEF AT - - - - -	DEF AT 5
14310 /13868	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15540 /15003	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
18520 /17752	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 260	<b>Date of Summary:</b> 04-MAR-1994	<b>First Sample Examined:</b> 13552
<b>Lease Number:</b> G07462	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18537
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17767
<b>API Well Number:</b> 608074081201	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 13552 - 18520	<b>Water Depth:</b> 1648
<b>Public Info Code:</b> Y 30-MAR-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13552 /13198	DEF AT first sample examined	DEF AT
13553 /13199	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14490 /14035	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15150 /14643	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18520 /17752	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 29-JAN-1999	First Sample Examined: 0
Lease Number: G07462	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17000
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 16959
API Well Number: 608074016200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1646
Public Info Code: Y 29-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13976 /13939	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16668 /16628	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 260	Date of Summary: 12-APR-1999	First Sample Examined: 0
Lease Number: G07462	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17172
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 16580
API Well Number: 608074081801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1646
Public Info Code: Y 06-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15100 /14527	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15735 /15151	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 272	Date of Summary: 02-APR-2001	First Sample Examined: 1940
Lease Number: G15867	Source of Paleo: OPERATOR	Borehole MD: 8877
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8818
API Well Number: 608074065600	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 1940 - 8877	Water Depth: 559
Public Info Code: Y 15-SEP-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** 2120=displaced Middle Miocene Bigenerina humblei fauna, 2210=displaced Middle Miocene Cristellaria I fauna, from 7940 to 8810, mixed fauna of Early Miocene to Middle Miocene age noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1940 / 1940	DEF AT first sample examined	DEF AT
1941 / 1941	DEF AT cement	DEF AT
2120 / 2120	DEF AT out-of-place section	DEF AT
2121 / 2121	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
2180 / 2180	DEF AT - - - - -	DEF AT 4
2210 / 2210	DEF AT out-of-place section	DEF AT 4
2211 / 2211	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
2330 / 2330	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
2570 / 2570	DEF AT anhydrite	DEF AT 5
2690 / 2690	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
2930 / 2930	DEF AT base of salt	DEF AT 5
8810 / 8752	DEF AT out-of-place section	DEF AT 5
8811 / 8753	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8877 / 8818	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 272	<b>Date of Summary:</b> 02-APR-2001	<b>First Sample Examined:</b> 1940
<b>Lease Number:</b> G15867	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8877
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8818
<b>API Well Number:</b> 608074065600	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1940 - 8877	<b>Water Depth:</b> 559
<b>Public Info Code:</b> Y 15-SEP-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, section from 3250 to 8810 not examined for nannofossils, 8810=mixed Oligocene and Miocene flora, probably representing jumbled section beneath salt, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1940 / 1940	DEF AT first sample examined	DEF AT
2360 / 2360	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2450 / 2450	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
2930 / 2930	DEF AT salt	DEF AT
8809 / 8751	DEF AT base of salt	DEF AT
8810 / 8752	DEF AT out-of-place section	DEF AT
8877 / 8818	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 272	Date of Summary: 02-APR-2001	First Sample Examined: 8779
Lease Number: G15867	Source of Paleo: OPERATOR	Borehole MD: 22047
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21924
API Well Number: 608074065601	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 8779 - 21950	Water Depth: 559
Public Info Code: Y 15-SEP-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 8810=in Hyaline balthica fauna, probably out-of-place, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8779 / 8722	DEF AT first sample examined	DEF AT 5
8780 / 8723	DEF IN salt	DEF AT 5
8808 / 8751	DEF AT base of salt	DEF AT 5
8809 / 8752	DEF AT out-of-place section	DEF AT 5
8810 / 8753	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
14870 /14761	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
20420 /20302	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
21110 /20991	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
21140 /21021	DEF AT - - - - -	DEF AT 5
21950 /21827	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 272	<b>Date of Summary:</b> 02-APR-2001	<b>First Sample Examined:</b> 8900
<b>Lease Number:</b> G15867	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22047
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21924
<b>API Well Number:</b> 608074065601	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8900 - 21950	<b>Water Depth:</b> 559
<b>Public Info Code:</b> Y 15-SEP-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8841	DEF AT first sample examined	DEF AT
8901 / 8842	DEF AT out-of-place section	DEF AT
12170 /12073	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13880 /13774	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14870 /14761	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17510 /17394	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19190 /19073	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20420 /20302	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
20960 /20841	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21440 /21320	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21950 /21827	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 293	<b>Date of Summary:</b> 17-APR-2009	<b>First Sample Examined:</b> 17000
<b>Lease Number:</b> G32409	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22250
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22198
<b>API Well Number:</b> 608074030000	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17000 - 22250	<b>Water Depth:</b> 2095
<b>Public Info Code:</b> Y 18-OCT-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17000 /16950	DEF AT first sample examined	DEF AT 5
17001 /16951	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
18379 /18327	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
18380 /18328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
19877 /19825	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
19878 /19826	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
19879 /19827	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
19880 /19828	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
21200 /21148	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
21710 /21658	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21920 /21868	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
21950 /21898	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
21979 /21927	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
21980 /21928	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
22010 /21958	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
22070 /22018	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
22130 /22078	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
22190 /22138	POS AT salt	DEF IN 5
22220 /22168	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
22250 /22198	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 293	Date of Summary: 19-JUN-2009	First Sample Examined: 13790
Lease Number: G32409	Source of Paleo: OPERATOR	Borehole MD: 22250
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22198
API Well Number: 608074030000	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13790 - 22250	Water Depth: 2095
Public Info Code: Y 18-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13790 /13787	DEF AT first sample examined	DEF AT 5
13791 /13788	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
14238 /14235	POS AT maximum flooding surface	DEF IN 5
14239 /14236	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
14240 /14237	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
14270 /14267	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
15948 /15918	POS AT maximum flooding surface	DEF IN 5
15949 /15919	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
15950 /15920	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
16940 /16891	POS AT maximum flooding surface	DEF AT 5
18378 /18326	POS AT maximum flooding surface	DEF AT 5
18379 /18327	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
18380 /18328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
19876 /19824	DEF AT maximum flooding surface	DEF AT 5
19877 /19825	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
19878 /19826	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
19879 /19827	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
19880 /19828	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
21199 /21147	POS AT maximum flooding surface	DEF AT 5
21200 /21148	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
21710 /21658	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21919 /21867	POS AT maximum flooding surface	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 293  
Lease Number: G32409  
Well Name: SS002  
API Well Number: 608074030000  
Paleo Report Num: 2 of 2  
Public Info Code: Y 18-OCT-2016

Date of Summary: 19-JUN-2009  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: NEWFIELD EXPLORATION COMPANY  
Sample Range: 13790 - 22250  
Ecozone Eq MMS: Y

First Sample Examined: 13790  
Borehole MD: 22250  
Borehole TVD: 22198  
Rkb Elevation: 82  
Water Depth: 2095  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21920 /21868	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
21950 /21898	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
21978 /21926	POS AT maximum flooding surface	DEF IN 5
21979 /21927	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
21980 /21928	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
22010 /21958	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
22070 /22018	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
22129 /22077	POS AT maximum flooding surface	DEF IN 5
22130 /22078	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
22189 /22137	POS AT salt	DEF IN 5
22190 /22138	POS AT maximum flooding surface	DEF IN 5
22220 /22168	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF IN 5
22250 /22198	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 293	Date of Summary: 11-SEP-2009	First Sample Examined: 21800
Lease Number: G33194	Source of Paleo: OPERATOR	Borehole MD: 24955
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23801
API Well Number: 608074030001	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 21800 - 24800	Water Depth: 2095
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21800 /21353	DEF AT first sample examined	DEF AT 5
21801 /21354	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
22040 /21577	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
22130 /21660	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
22250 /21769	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT 5
22310 /21823	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 5
22459 /21955	POS AT maximum flooding surface	DEF AT 5
22460 /21956	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
22610 /22084	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
22880 /22300	POS AT maximum flooding surface	DEF AT 5
23210 /22548	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
23330 /22637	POS AT maximum flooding surface	DEF AT 5
23570 /22811	POS AT maximum flooding surface	DEF AT 5
23870 /23026	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
24410 /23412	DEF AT - - - - -	DEF IN 5
24439 /23433	POS AT maximum flooding surface	DEF AT 6
24440 /23434	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
24499 /23476	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 6
24500 /23477	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
24558 /23518	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
24559 /23519	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
24560 /23520	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 293  
 Lease Number: G33194  
 Well Name: 002  
 API Well Number: 608074030001  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 27-SEP-2016

Date of Summary: 11-SEP-2009  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: NEWFIELD EXPLORATION COMPANY  
 Sample Range: 21800 - 24800  
 Ecozone Eq MMS: Y

First Sample Examined: 21800  
 Borehole MD: 24955  
 Borehole TVD: 23801  
 Rkb Elevation: 86  
 Water Depth: 2095  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24620 /23563	DEF AT - - - - -	DEF AT 6
24740 /23648	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
24770 /23669	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
24800 /23691	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 297	Date of Summary: 02-FEB-2001	First Sample Examined: 15140
Lease Number: G17320	Source of Paleo: OPERATOR	Borehole MD: 20447
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 20342
API Well Number: 608074022502	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15140 - 20447	Water Depth: 1850
Public Info Code: Y 31-DEC-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Green preservation noted at the following depths: 16880-17090, 17780-18080, 18350-18380, 19280-19310, 20090-20120

MD / TVD	Paleo Top Description	Ecozone
15140 /15137	DEF AT first sample examined	DEF AT 4
15141 /15138	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15530 /15523	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
15590 /15581	DEF AT local marker planktic foram increase	DEF AT 4
15800 /15779	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
16010 /15975	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16220 /16171	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
16490 /16432	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
16670 /16609	DEF AT salt	DEF AT 6
16700 /16638	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
16791 /16727	DEF AT faunal change (no faunal increase)	DEF AT 4
16880 /16815	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
16970 /16904	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
18080 /17999	DEF AT salt	DEF AT 4
18499 /18413	DEF AT base of salt	DEF AT 4
18500 /18414	DEF IN Pliocene	DEF AT 4
18950 /18857	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
19040 /18945	DEF AT local marker foram increase	DEF AT 4
19190 /19093	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
19250 /19152	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
19280 /19182	DEF AT salt	DEF AT 4
19370 /19271	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 297	Date of Summary: 02-FEB-2001	First Sample Examined: 15140
Lease Number: G17320	Source of Paleo: OPERATOR	Borehole MD: 20447
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 20342
API Well Number: 608074022502	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15140 - 20447	Water Depth: 1850
Public Info Code: Y 31-DEC-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19610 /19509	POS IN Miocene	DEF AT 4
19611 /19510	POS IN Oligocene	DEF AT 4
19640 /19539	DEF AT Upper Oligocene (Chattian) Cibicides jeffersonensis	DEF AT 4
19670 /19569	DEF AT base of salt	DEF AT 4
19671 /19570	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
19700 /19598	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
19760 /19658	DEF AT Upper Oligocene (Chattian) Cibicides jeffersonensis	DEF AT 4
20030 /19927	DEF AT local marker foram increase	DEF AT 4
20090 /19986	DEF AT local marker foram increase	DEF AT 4
20179 /20075	DEF AT limestone	DEF AT 4
20180 /20076	DEF AT local marker foram decrease	DEF AT 4
20360 /20255	DEF IN Upper Oligocene (Chattian) Cibicides jeffersonensis	DEF AT 4
20446 /20341	DEF IN Oligocene Frio Formation/Provincial Stage	DEF AT 4
20447 /20342	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 297	<b>Date of Summary:</b> 18-FEB-2001	<b>First Sample Examined:</b> 15140
<b>Lease Number:</b> G17320	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20447
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 20342
<b>API Well Number:</b> 608074022502	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15140 - 20447	<b>Water Depth:</b> 1850
<b>Public Info Code:</b> Y 31-DEC-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Moccasin Prospect, calcareous nannofossil report, from 19800 to TD, Sphenolithus ciperoensis is dominant (NP25, Late Oligocene), with minor but consistent Discoaster quinquerramus (NN11, Late Miocene), possible Sphenolithus predistentus around 20360 (NP24) if section is in place

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15140 /15137	DEF AT first sample examined	DEF AT
15141 /15138	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16500 /16441	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16550 /16491	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18530 /18444	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18590 /18503	POS AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
18770 /18680	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18800 /18709	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
19189 /19092	POS AT out-of-place section	DEF AT
19190 /19093	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19191 /19094	POS IN Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
19370 /19271	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20029 /19926	POS AT reworked material	DEF AT
20030 /19927	DEF AT floral flood	DEF AT
20031 /19928	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
20090 /19986	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
20360 /20255	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
20447 /20342	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 297	Date of Summary: 13-DEC-2000	First Sample Examined: 11240
Lease Number: G17332	Source of Paleo: OPERATOR	Borehole MD: 16212
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 16208
API Well Number: 608074022500	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11240 - 16195	Water Depth: 1850
Public Info Code: Y 31-DEC-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Moccasin Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11240 /11238	DEF AT first sample examined	DEF IN 3
12110 /12108	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12830 /12828	DEF AT local marker foram increase	DEF AT 4
13250 /13248	DEF AT local marker foram increase	DEF AT 4
13400 /13398	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14090 /14087	DEF AT local marker foram increase	DEF AT 4
14600 /14597	DEF AT faunal change (no faunal increase)	DEF AT 4
14690 /14687	DEF AT local marker foram increase	DEF AT 4
15080 /15077	DEF AT local marker foram increase	DEF AT 4
15140 /15137	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15320 /15317	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
15560 /15557	DEF AT local marker foram increase	DEF AT 4
15620 /15617	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
16070 /16066	DEF AT local marker foram increase	DEF AT 4
16120 /16116	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
16150 /16146	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
16190 /16186	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 297	Date of Summary: 20-DEC-2000	First Sample Examined: 11240
Lease Number: G17332	Source of Paleo: OPERATOR	Borehole MD: 16212
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 16208
API Well Number: 608074022500	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11240 - 16195	Water Depth: 1850
Public Info Code: Y 31-DEC-2004	Ecozone Eq MMS:	Paleo ID: 002

Remark: Moccasin Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11240 /11238	DEF AT first sample examined	DEF AT
11330 /11328	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
12110 /12108	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12560 /12558	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13054 /13052	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13400 /13398	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13820 /13818	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15110 /15107	POS AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
15590 /15587	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15800 /15797	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16195 /16191	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 297	Date of Summary: 24-JAN-2001	First Sample Examined: 15056
Lease Number: G17332	Source of Paleo: OPERATOR	Borehole MD: 16443
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 16440
API Well Number: 608074022501	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15056 - 16443	Water Depth: 1850
Public Info Code: Y 31-DEC-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Moccasin Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13139 /13137	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
15056 /15053	DEF AT first sample examined	DEF AT 4
15140 /15137	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15350 /15347	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
15530 /15527	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
15620 /15617	DEF AT foram flood	DEF AT 4
15830 /15827	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
16100 /16097	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
16130 /16127	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
16280 /16277	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
16426 /16423	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 297	<b>Date of Summary:</b> 01-MAY-2001	<b>First Sample Examined:</b> 15056
<b>Lease Number:</b> G17332	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16443
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 16440
<b>API Well Number:</b> 608074022501	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15056 - 16426	<b>Water Depth:</b> 1850
<b>Public Info Code:</b> Y 31-DEC-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Moccasin Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16340 /16337	DEF AT Lower Pliocene (Zanclian) Discoaster challenger	DEF AT
16370 /16367	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16400 /16397	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 300	Date of Summary: 18-FEB-2003	First Sample Examined: 4030
Lease Number: G19097	Source of Paleo: OPERATOR	Borehole MD: 11408
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11159
API Well Number: 608074025200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 4030 - 11350	Water Depth: 1732
Public Info Code: Y 31-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4030 / 4030	DEF AT first sample examined	DEF AT
4031 / 4031	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6730 / 6730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9730 / 9615	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11350 / 11106	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 300	<b>Date of Summary:</b> 19-FEB-2003	<b>First Sample Examined:</b> 4030
<b>Lease Number:</b> G19097	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11408
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11159
<b>API Well Number:</b> 608074025200	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4030 - 11350	<b>Water Depth:</b> 1732
<b>Public Info Code:</b> Y 31-DEC-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4030 / 4030	DEF AT first sample examined	DEF AT 5
4900 / 4900	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
5020 / 5020	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
11350 /11106	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 300	Date of Summary: 18-FEB-2003	First Sample Examined: 11380
Lease Number: G19097	Source of Paleo: OPERATOR	Borehole MD: 20421
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19637
API Well Number: 608074025201	Drilling Operator: HESS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 11380 - 20410	Water Depth: 1732
Public Info Code: Y 31-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11380 /11101	DEF AT first sample examined	DEF AT
11890 /11580	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13120 /12732	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13990 /13551	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14710 /14224	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14770 /14280	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16540 /15928	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17200 /16547	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18520 /17799	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
18640 /17914	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 1
19420 /18663	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
19510 /18750	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
19840 /19070	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
20170 /19391	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
20260 /19479	DEF AT Lower Miocene (Aquitani) Discoaster saundersi	DEF AT
20380 /19597	DEF AT Lower Miocene (Aquitani) Helicosphaera recta	DEF AT
20410 /19626	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 300	Date of Summary: 19-FEB-2003	First Sample Examined: 11320
Lease Number: G19097	Source of Paleo: OPERATOR	Borehole MD: 20421
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19637
API Well Number: 608074025201	Drilling Operator: HESS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 11320 - 20410	Water Depth: 1732
Public Info Code: Y 31-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11320 /11045	DEF AT first sample examined	DEF AT 5
11800 /11495	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11890 /11580	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
13120 /12732	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14770 /14280	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
16540 /15928	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16930 /16294	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18580 /17856	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
18640 /17914	DEF AT - - - - -	DEF AT 6
18700 /17971	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
19390 /18634	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
19510 /18750	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
19630 /18866	DEF AT - - - - -	DEF AT 5
20410 /19626	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 302	<b>Date of Summary:</b> 06-OCT-2006	<b>First Sample Examined:</b> 4870
<b>Lease Number:</b> G24479	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19606
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19549
<b>API Well Number:</b> 608074028000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4870 - 19603	<b>Water Depth:</b> 2315
<b>Public Info Code:</b> Y 19-MAY-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4870 / 4870	DEF AT first sample examined	DEF AT 4
5980 / 5980	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
6070 / 6070	DEF AT -----	DEF IN 5
6340 / 6340	DEF AT -----	DEF AT 4
7510 / 7510	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT 4
7600 / 7600	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
10570 /10570	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
12640 /12639	DEF AT -----	DEF IN 5
12730 /12729	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
12820 /12819	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
12910 /12909	DEF AT -----	DEF AT 3
14260 /14259	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 3
15610 /15609	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 3
15790 /15789	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
15969 /15968	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 3
15970 /15969	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
17650 /17649	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 3
17890 /17889	DEF AT -----	DEF IN 5
18070 /18069	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
18190 /18189	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
18250 /18248	DEF AT -----	DEF AT 4
18910 /18902	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 302	Date of Summary: 06-OCT-2006	First Sample Examined: 4870
Lease Number: G24479	Source of Paleo: OPERATOR	Borehole MD: 19606
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19549
API Well Number: 608074028000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 4870 - 19603	Water Depth: 2315
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18939 /18930	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
18940 /18931	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
19120 /19102	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
19150 /19131	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
19240 /19215	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
19270 /19243	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
19420 /19381	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 5
19449 /19407	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
19450 /19408	POS AT local marker planktic foram increase	DEF IN 5
19590 /19535	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 5
19603 /19546	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 302	Date of Summary: 29-NOV-2006	First Sample Examined: 16892
Lease Number: G24479	Source of Paleo: OPERATOR	Borehole MD: 20808
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20683
API Well Number: 608074028001	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 16892 - 20808	Water Depth: 2315
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16892 /16891	DEF AT first sample examined	POS IN 3
17040 /17039	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	POS IN 3
17100 /17099	POS IN Upper Pliocene (Gelasian) Discoaster surculus	POS IN 3
17130 /17129	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS IN 3
17280 /17278	DEF AT - - - - -	DEF AT 5
17550 /17543	POS AT transported outer shelf facies	POS AT 5
18330 /18267	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
18360 /18294	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
18510 /18432	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
19530 /19406	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
19560 /19436	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
19590 /19466	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
19620 /19496	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
19649 /19525	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
19650 /19526	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
19860 /19736	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
19890 /19766	DEF AT - - - - -	DEF AT 6
19980 /19856	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
20250 /20126	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
20310 /20186	DEF AT - - - - -	DEF IN 5
20340 /20216	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
20369 /20245	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 302	<b>Date of Summary:</b> 29-NOV-2006	<b>First Sample Examined:</b> 16892
<b>Lease Number:</b> G24479	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20808
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20683
<b>API Well Number:</b> 608074028001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16892 - 20808	<b>Water Depth:</b> 2315
<b>Public Info Code:</b> Y 19-MAY-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20370 /20246	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
20399 /20275	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
20400 /20276	POS IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 5
20430 /20306	DEF AT out-of-place section	DEF IN 5
20460 /20336	POS AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF IN 5
20490 /20366	DEF AT salt	DEF IN 5
20808 /20684	DEF AT last sample examined	DEF IN 5

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 303	Date of Summary: 11-JAN-2005	First Sample Examined: 6560
Lease Number: G17336	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17959
API Well Number: 608074026800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6560 - 18071	Water Depth: 2151
Public Info Code: Y 25-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6560 / 6560	DEF AT first sample examined	DEF AT 5
6561 / 6561	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6980 / 6980	DEF AT -----	DEF AT 4
10820 /10819	DEF AT -----	DEF AT 5
10970 /10969	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11750 /11738	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11810 /11796	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11930 /11911	DEF AT -----	DEF AT 4
13010 /12951	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13220 /13153	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13670 /13586	DEF AT -----	DEF IN 5
13790 /13702	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13850 /13760	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13910 /13818	DEF AT -----	DEF AT 5
15290 /15181	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15710 /15601	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15830 /15721	DEF AT -----	DEF AT 4
16640 /16530	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17720 /17609	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
18071 /17959	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 303	Date of Summary: 11-JAN-2005	First Sample Examined: 6560
Lease Number: G17336	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17959
API Well Number: 608074026800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6560 - 18071	Water Depth: 2151
Public Info Code: Y 25-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6560 / 6560	DEF AT first sample examined	DEF AT
6561 / 6561	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8720 / 8720	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10940 /10939	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11810 /11796	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13010 /12951	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13250 /13182	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13700 /13615	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13790 /13702	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13820 /13731	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15260 /15151	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15740 /15631	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16250 /16140	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16640 /16530	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17749 /17638	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
17750 /17639	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18071 /17959	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 303	Date of Summary: 22-FEB-2005	First Sample Examined: 12590
Lease Number: G17336	Source of Paleo: OPERATOR	Borehole MD: 17123
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16112
API Well Number: 608074026801	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12590 - 17030	Water Depth: 2228
Public Info Code: Y 25-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12590 /12547	DEF AT first sample examined	DEF AT 4
12680 /12634	POS IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
12830 /12780	DEF AT -----	DEF AT 5
13040 /12985	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13190 /13132	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
13700 /13621	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13760 /13676	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13820 /13729	DEF AT -----	DEF AT 5
15260 /14803	DEF AT -----	DEF IN 5
15290 /14823	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15470 /14948	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
15620 /15051	DEF AT -----	DEF AT 5
16010 /15318	DEF AT -----	DEF IN 5
16370 /15569	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
16430 /15612	DEF AT -----	DEF AT 5
17030 /16044	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 303	Date of Summary: 22-FEB-2005	First Sample Examined: 12590
Lease Number: G17336	Source of Paleo: OPERATOR	Borehole MD: 17123
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16112
API Well Number: 608074026801	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12590 - 17030	Water Depth: 2228
Public Info Code: Y 25-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12590 /12547	DEF AT first sample examined	DEF AT
13040 /12985	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13190 /13132	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13610 /13537	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13700 /13621	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13730 /13648	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15230 /14782	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15678 /15090	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16190 /15443	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16370 /15569	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17030 /16044	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 329	Date of Summary: 16-FEB-1999	First Sample Examined: 0
Lease Number: G19104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13654
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13654
API Well Number: 608074019000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2083
Public Info Code: Y 29-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7000 / 7000	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 329	Date of Summary: 25-MAY-1999	First Sample Examined: 0
Lease Number: G19104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21186
API Well Number: 608074019001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2083
Public Info Code: Y 29-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17000 /16988	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
18000 /17985	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341  
Lease Number: G15879  
Well Name: HB001  
API Well Number: 608074019100  
Paleo Report Num: 1 of 3  
Public Info Code: Y 07-MAR-2009

Date of Summary: 10-JAN-1999  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 4220 - 21158  
Ecozone Eq MMS: Y

First Sample Examined: 4220  
Borehole MD: 21158  
Borehole TVD: 20206  
Rkb Elevation: 74  
Water Depth: 2015  
Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4220 / 4220	DEF AT first sample examined	POS AT 4
4640 / 4640	DEF AT -----	DEF AT 4
5420 / 5419	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5570 / 5569	DEF AT -----	DEF IN 3
6440 / 6439	DEF AT -----	DEF AT 3
6890 / 6889	DEF AT -----	DEF AT 1
7880 / 7879	DEF AT -----	DEF AT 4
8480 / 8479	DEF AT -----	DEF AT 5
8510 / 8509	DEF AT -----	DEF AT 4
8570 / 8569	DEF AT -----	DEF AT 5
8690 / 8689	DEF AT -----	DEF AT 4
19280 /18697	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4
19370 /18769	DEF AT -----	DEF AT 4
19880 /19178	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
20390 /19589	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
20420 /19613	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
20630 /19781	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
20720 /19853	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
21158 /20206	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341	Date of Summary: 01-APR-1999	First Sample Examined: 4220
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 21158
Well Name: HB001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 20206
API Well Number: 608074019100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 3	Sample Range: 4220 - 21158	Water Depth: 2015
Public Info Code: Y 07-MAR-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4220 / 4220	DEF AT first sample examined	DEF AT
4700 / 4700	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5420 / 5419	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7700 / 7699	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R.	DEF AT
10550 /10549	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12740 /12739	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13790 /13788	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14360 /14358	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14900 /14898	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
15620 /15615	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16430 /16381	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
16790 /16686	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16850 /16735	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18380 /17973	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19250 /18673	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19280 /18697	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19490 /18865	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19880 /19178	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
19910 /19202	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
20090 /19347	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20240 /19468	POS AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
20810 /19926	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 01-APR-1999	<b>First Sample Examined:</b> 4220
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21158
<b>Well Name:</b> HB001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 20206
<b>API Well Number:</b> 608074019100	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 4220 - 21158	<b>Water Depth:</b> 2015
<b>Public Info Code:</b> Y 07-MAR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21140 /20191	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341	Date of Summary: 24-MAY-1999	First Sample Examined: 4220
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 21158
Well Name: HB001	Paleo Done By: OPERATOR	Borehole TVD: 20206
API Well Number: 608074019100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 3 of 3	Sample Range: 4220 - 21158	Water Depth: 2015
Public Info Code: Y 07-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
4220 / 4220	DEF AT first sample examined	DEF AT
5420 / 5419	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5421 / 5420	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10280 /10279	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10550 /10549	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT 4
12740 /12739	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
13730 /13728	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
14900 /14898	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT 4
16190 /16163	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
16700 /16611	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
16820 /16710	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
19280 /18697	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
19910 /19202	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
20390 /19589	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
20420 /19613	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
20810 /19926	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
21158 /20206	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341  
Lease Number: G15879  
Well Name: HB001  
API Well Number: 608074019101  
Paleo Report Num: 1 of 3  
Public Info Code: Y 22-MAR-2009

Date of Summary: 01-FEB-1999  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 16500 - 22890  
Ecozone Eq MMS: Y

First Sample Examined: 16500  
Borehole MD: 22900  
Borehole TVD: 22697  
Rkb Elevation: 74  
Water Depth: 2015  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16500 /16481	DEF AT -----	DEF AT 0
16620 /16598	DEF AT sand	DEF AT
17220 /17180	DEF AT -----	DEF AT 4
17250 /17210	DEF AT -----	DEF AT 0
17460 /17413	DEF AT sand	DEF AT
20490 /20351	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
20520 /20381	DEF AT -----	DEF AT 4
20790 /20643	DEF AT -----	DEF AT 0
20910 /20759	DEF AT -----	DEF AT 4
21059 /20904	DEF AT reworked material	DEF AT
21060 /20905	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
21150 /20993	DEF AT -----	DEF AT 0
21180 /21022	DEF AT sand	DEF AT
21780 /21605	DEF AT -----	DEF AT 4
22080 /21896	DEF AT -----	DEF AT 4
22110 /21926	POS AT local marker planktic foram increase	DEF AT 4
22200 /22013	DEF AT -----	DEF AT 0
22380 /22189	DEF AT -----	DEF AT 4
22470 /22276	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
22530 /22335	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
22710 /22511	DEF AT -----	DEF AT 0

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341	Date of Summary: 19-MAR-1999	First Sample Examined: 16500
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 22900
Well Name: HB001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 22697
API Well Number: 608074019101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 3	Sample Range: 16500 - 22890	Water Depth: 2015
Public Info Code: Y 22-MAR-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16500 /16481	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16620 /16598	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16950 /16918	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
17160 /17122	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17190 /17151	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19140 /19042	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
20130 /20002	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20520 /20381	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20521 /20382	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
21630 /21459	DEF AT reworked material	DEF AT
21720 /21546	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
22170 /21984	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
22470 /22276	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
22590 /22393	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
22770 /22569	POS AT Lower Pliocene (Zanclian) Discoaster challenger	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 25-MAY-1999	<b>First Sample Examined:</b> 16500
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22900
<b>Well Name:</b> HB001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22697
<b>API Well Number:</b> 608074019101	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 15090 - 22900	<b>Water Depth:</b> 2015
<b>Public Info Code:</b> Y 22-MAR-2009	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 003

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16500 /16481	DEF AT first sample examined	DEF AT
17070 /17035	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17190 /17151	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
20490 /20351	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
20491 /20352	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21630 /21459	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
22470 /22276	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
22530 /22335	POS AT Lower Pliocene (Zanclian) Discoaster challenger	DEF AT
22900 /22697	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341	Date of Summary: 01-SEP-2001	First Sample Examined: 15160
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 21164
Well Name: HB001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 18029
API Well Number: 608074019102	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15160 - 21400	Water Depth: 2015
Public Info Code: Y 21-OCT-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15160 /15158	DEF AT first sample examined	DEF AT
15161 /15159	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15700 /15690	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16930 /16696	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18970 /17345	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19990 /17630	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
20860 /17913	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20920 /17935	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20980 /17957	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21010 /17969	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21040 /17980	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21070 /17992	POS AT Middle Eocene	DEF AT
21071 /17992	POS AT Lower (Early) Eocene	DEF AT
21100 /18004	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341	Date of Summary: 01-OCT-2001	First Sample Examined: 15160
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 21164
Well Name: HB001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18029
API Well Number: 608074019102	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 15160 - 21130	Water Depth: 2015
Public Info Code: Y 21-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15160 /15158	DEF AT first sample examined	DEF AT 4
15161 /15159	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
15700 /15690	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16750 /16581	DEF AT pyrite	DEF AT 4
16810 /16621	DEF AT -----	DEF AT 4
19630 /17525	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
19870 /17594	DEF AT faunal change (no faunal increase)	DEF AT 4
19960 /17620	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
20530 /17797	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
20860 /17913	DEF AT local marker planktic foram increase	DEF AT 4
20861 /17913	POS IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
20890 /17924	DEF AT -----	DEF AT 5
20920 /17935	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
20950 /17946	DEF AT -----	DEF AT 4
21010 /17969	DEF AT -----	POS AT 4
21040 /17980	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
21070 /17992	POS IN Middle Eocene	DEF AT 4
21100 /18004	DEF AT -----	POS AT 4
21130 /18015	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341  
Lease Number: G15879  
Well Name: HB001  
API Well Number: 608074019103  
Paleo Report Num: 1 of 2  
Public Info Code: Y 10-NOV-2011

Date of Summary: 01-NOV-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 16930 - 20973  
Ecozone Eq MMS: Y

First Sample Examined: 16930  
Borehole MD: 20973  
Borehole TVD: 19606  
Rkb Elevation: 82  
Water Depth: 2015  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
16930 /16699	DEF AT first sample examined	DEF	AT
16990 /16739	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	AT
17050 /16779	DEF AT -----	DEF	AT 4
17080 /16800	DEF AT sand	DEF	AT 4
17110 /16820	DEF AT -----	DEF	AT 0
18100 /17405	DEF AT -----	DEF	AT 4
18130 /17421	DEF AT sand	DEF	AT
18790 /17778	DEF AT -----	DEF	AT 4
18820 /17795	DEF AT -----	DEF	AT 0
19390 /18181	DEF AT -----	DEF	AT 4
19420 /18205	DEF AT faunal change (no faunal increase)	DEF	AT 4
19510 /18278	DEF AT -----	DEF	AT 0
19539 /18302	DEF AT pyrite	DEF	AT
19540 /18303	DEF AT sand	DEF	AT
19810 /18538	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT 4
19870 /18592	DEF AT -----	DEF	AT 0
19900 /18619	DEF AT -----	DEF	AT 4
20020 /18727	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT 4
20080 /18782	DEF AT -----	DEF	AT 0
20140 /18837	DEF AT -----	DEF	AT 4
20170 /18864	DEF AT -----	DEF	AT 0
20200 /18892	DEF AT -----	DEF	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 01-NOV-2001	<b>First Sample Examined:</b> 16930
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20973
<b>Well Name:</b> HB001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19606
<b>API Well Number:</b> 608074019103	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16930 - 20973	<b>Water Depth:</b> 2015
<b>Public Info Code:</b> Y 10-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20260 /18947	DEF AT -----	DEF AT 0
20350 /19030	DEF AT -----	DEF AT 4
20410 /19086	DEF AT faunal change (no faunal increase)	DEF AT 5
20440 /19113	DEF AT -----	DEF AT 4
20470 /19141	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
20530 /19197	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20590 /19252	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
20710 /19363	DEF AT -----	DEF AT 5
20740 /19390	DEF AT -----	DEF AT 4
20800 /19446	DEF AT -----	DEF AT 5
20830 /19474	DEF AT -----	DEF AT 4
20973 /19606	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341	Date of Summary: 07-NOV-2001	First Sample Examined: 17110
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 20973
Well Name: HB001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 19606
API Well Number: 608074019103	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16930 - 20973	Water Depth: 2015
Public Info Code: Y 10-NOV-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16930 /16699	DEF AT first sample examined	DEF AT
17110 /16820	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
19600 /18354	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19750 /18485	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19810 /18538	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
20110 /18809	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
20410 /19086	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20620 /19280	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20740 /19390	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20973 /19606	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 01-NOV-2001	<b>First Sample Examined:</b> 16290
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20835
<b>Well Name:</b> HB001	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 19860
<b>API Well Number:</b> 608074019104	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16290 - 20835	<b>Water Depth:</b> 2015
<b>Public Info Code:</b> Y 29-NOV-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Habanero Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16650 /16516	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16830 /16649	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
19470 /18498	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19800 /18825	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
20100 /19125	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20580 /19605	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 01-DEC-2001	<b>First Sample Examined:</b> 16290
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20835
<b>Well Name:</b> HB001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19860
<b>API Well Number:</b> 608074019104	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16290 - 20820	<b>Water Depth:</b> 2015
<b>Public Info Code:</b> Y 29-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Habanero Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16290 /16227	DEF AT first sample examined	DEF AT
16440 /16353	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
16470 /16377	DEF AT sand	DEF AT
16560 /16448	DEF AT sand	DEF AT
16590 /16471	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT
16710 /16561	DEF AT -----	DEF AT 4
16770 /16605	DEF AT -----	DEF AT 0
16830 /16649	DEF AT -----	DEF AT 4
16860 /16670	DEF AT -----	DEF AT 0
17070 /16811	DEF AT sand	DEF AT
17640 /17143	DEF AT reworked material	DEF AT
17670 /17159	DEF AT sand	DEF AT
18540 /17697	DEF AT -----	DEF AT 4
18570 /17719	DEF AT -----	DEF AT 0
19110 /18164	DEF AT -----	DEF AT 4
19140 /18191	DEF AT -----	DEF AT 0
19320 /18355	DEF AT faunal change (no faunal increase)	DEF AT 4
19350 /18383	DEF AT -----	DEF AT 0
19440 /18469	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
19680 /18705	DEF AT -----	DEF AT 0
19770 /18795	DEF AT sand	DEF AT
20010 /19035	DEF AT local marker planktic foram increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341  
Lease Number: G15879  
Well Name: HB001  
API Well Number: 608074019104  
Paleo Report Num: 2 of 2  
Public Info Code: Y 29-NOV-2011

Date of Summary: 01-DEC-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 16290 - 20820  
Ecozone Eq MMS: Y

First Sample Examined: 16290  
Borehole MD: 20835  
Borehole TVD: 19860  
Rkb Elevation: 82  
Water Depth: 2015  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20070 /19095	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
20100 /19125	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
20490 /19515	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20520 /19545	DEF AT -----	DEF AT 5
20550 /19575	DEF AT -----	DEF AT 4
20640 /19665	DEF AT -----	DEF AT 5
20669 /19694	DEF AT faunal change (no faunal increase)	DEF AT 4
20670 /19695	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
20730 /19755	DEF AT -----	DEF AT 5
20759 /19784	DEF AT pyrite	DEF AT 4
20760 /19785	DEF AT condensed section	DEF AT 4
20820 /19845	DEF AT -----	DEF AT 0
20850 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341	Date of Summary: 01-MAY-2003	First Sample Examined: 16440
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 20007
Well Name: HB002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19164
API Well Number: 608074025400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 16440 - 20010	Water Depth: 2013
Public Info Code: Y 26-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16440 /15604	DEF AT first sample examined	POS AT 4
16470 /15633	DEF AT - - - - -	DEF AT 4
16530 /15691	DEF AT local marker foram increase	DEF AT 4
16560 /15720	DEF AT Arenaceous fauna (local marker)	POS AT 4
16590 /15750	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 4
16620 /15779	DEF AT - - - - -	DEF AT 4
16710 /15868	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
16740 /15898	DEF AT local marker foram decrease	POS AT 4
16770 /15927	DEF AT - - - - -	DEF AT 4
17520 /16677	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	POS AT 4
17550 /16707	DEF AT - - - - -	DEF AT 4
17639 /16796	POS AT reworked material	DEF AT 4
17640 /16797	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17850 /17007	DEF AT Arenaceous fauna (local marker)	POS AT 4
18000 /17157	DEF AT local marker foram increase	DEF AT 4
18540 /17697	DEF AT local marker planktic foram increase	POS AT 4
18630 /17787	DEF AT local marker planktic foram increase	DEF AT 4
18720 /17877	DEF AT local marker foram decrease	POS AT 4
19170 /18327	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS AT 4
19200 /18357	DEF AT - - - - -	DEF AT 4
19320 /18477	DEF AT local marker foram decrease	POS AT 4
19500 /18657	DEF AT local marker foram increase	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 01-MAY-2003	<b>First Sample Examined:</b> 16440
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 2007
<b>Well Name:</b> HB002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19164
<b>API Well Number:</b> 608074025400	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16440 - 20010	<b>Water Depth:</b> 2013
<b>Public Info Code:</b> Y 26-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19580 /18737	DEF AT -----	DEF AT 5
19590 /18747	DEF AT -----	DEF AT 4
19600 /18757	DEF AT local marker foram increase	DEF AT 5
19610 /18767	DEF AT -----	DEF AT 4
19710 /18867	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
19860 /19017	DEF AT local marker foram decrease	DEF AT 4
19890 /19047	DEF AT -----	DEF AT 5
19920 /19077	DEF AT -----	DEF AT 4
19950 /19107	DEF AT -----	POS AT 4
20010 /	DEF AT last sample examined	POS AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 01-JUN-2003	<b>First Sample Examined:</b> 16440
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 2007
<b>Well Name:</b> HB002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19164
<b>API Well Number:</b> 608074025400	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16440 - 20007	<b>Water Depth:</b> 2013
<b>Public Info Code:</b> Y 26-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16440 /15604	DEF AT first sample examined	DEF AT
16470 /15633	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16530 /15691	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
16620 /15779	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16710 /15868	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18030 /17187	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19710 /18867	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19740 /18897	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
19770 /18927	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20007 /19164	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 28-MAY-2003	<b>First Sample Examined:</b> 15980
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20050
<b>Well Name:</b> HB002	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 19353
<b>API Well Number:</b> 608074025401	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15980 - 20050	<b>Water Depth:</b> 2013
<b>Public Info Code:</b> Y 10-JUN-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15980 /15301	DEF AT first sample examined	DEF AT
16040 /15360	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16520 /15835	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17090 /16398	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18200 /17503	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
18470 /17773	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19880 /19183	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20050 /19353	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 341	Date of Summary: 01-JUN-2003	First Sample Examined: 16010
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 20050
Well Name: HB002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19353
API Well Number: 608074025401	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 16010 - 20050	Water Depth: 2013
Public Info Code: Y 10-JUN-2013	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16010 /15331	DEF AT first sample examined	POS AT
16040 /15360	DEF AT -----	DEF AT 4
16070 /15390	DEF AT -----	POS AT 0
16340 /15657	DEF AT local marker foram increase	POS AT
16400 /15716	DEF AT Arenaceous fauna (local marker)	POS AT
16430 /15746	DEF AT -----	DEF AT 4
16460 /15776	DEF AT -----	POS AT 0
17150 /16457	DEF AT Arenaceous fauna (local marker)	POS AT
17930 /17233	DEF AT local marker foram increase	POS AT
17990 /17293	DEF AT local marker foram increase	DEF AT 4
18050 /17353	DEF AT -----	POS AT 0
18200 /17503	DEF AT -----	DEF AT 4
18260 /17563	DEF AT -----	POS AT 0
18650 /17953	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT
18680 /17983	DEF AT -----	DEF AT 4
18710 /18013	DEF AT -----	POS AT 0
18740 /18043	DEF AT -----	DEF AT 4
18800 /18103	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18830 /18133	DEF AT -----	POS AT 0
18860 /18163	DEF AT local marker foram increase	DEF AT 4
18920 /18223	DEF AT -----	POS AT 0
19190 /18493	DEF AT local marker foram increase	POS AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 341	<b>Date of Summary:</b> 01-JUN-2003	<b>First Sample Examined:</b> 16010
<b>Lease Number:</b> G15879	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20050
<b>Well Name:</b> HB002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19353
<b>API Well Number:</b> 608074025401	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16010 - 20050	<b>Water Depth:</b> 2013
<b>Public Info Code:</b> Y 10-JUN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19250 /18553	DEF AT local marker planktic foram increase	POS AT
19280 /18583	DEF AT -----	DEF AT 4
19430 /18733	DEF AT foram flood	DEF AT 4
19520 /18823	DEF AT -----	POS AT 0
19850 /19153	DEF AT local marker foram increase	POS AT
19880 /19183	DEF AT -----	DEF AT 4
19940 /19243	DEF AT Arenaceous fauna (local marker)	POS AT
19970 /19273	DEF AT -----	DEF AT 4
20000 /19303	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
20030 /19333	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
20050 /19353	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 342	Date of Summary: 17-JAN-2007	First Sample Examined: 20200
Lease Number: G23302	Source of Paleo: OPERATOR	Borehole MD: 31803
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 31733
API Well Number: 608074028400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 20200 - 31804	Water Depth: 1153
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Andros Deep Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20200 /20170	DEF AT first sample examined	DEF AT 5
20230 /20200	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 5
20260 /20230	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
20320 /20289	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 5
20350 /20319	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
20769 /20734	DEF AT reworked material	DEF AT 5
20770 /20735	DEF AT local marker floral increase	DEF AT 5
21220 /21181	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
21250 /21211	DEF AT local marker floral increase	DEF AT 6
21550 /21509	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
21610 /21568	DEF IN Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 6
21640 /21598	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 6
22240 /22194	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 6
22419 /22371	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
22420 /22372	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 6
22450 /22402	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 6
22949 /22898	POS AT out-of-place section	DEF AT 6
22950 /22899	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
23190 /23137	DEF AT local marker floral increase	DEF AT 6
23580 /23524	POS AT reworked material	DEF AT 6
24090 /24030	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 342	<b>Date of Summary:</b> 17-JAN-2007	<b>First Sample Examined:</b> 20200
<b>Lease Number:</b> G23302	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31803
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 31733
<b>API Well Number:</b> 608074028400	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20200 - 31804	<b>Water Depth:</b> 1153
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24119 /24059	POS AT out-of-place section	DEF AT 6
24120 /24060	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 6
24240 /24179	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 6
24300 /24239	POS AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 6
24330 /24269	DEF IN salt	DEF AT 6
31804 /	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 344	<b>Date of Summary:</b> 03-JAN-2001	<b>First Sample Examined:</b> 4221
<b>Lease Number:</b> G08232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6690
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6690
<b>API Well Number:</b> 608074022300	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4221 - 6690	<b>Water Depth:</b> 2120
<b>Public Info Code:</b> Y 25-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4221 / 4221	DEF AT first sample examined	DEF AT
4320 / 4320	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6690 / 6690	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 344	<b>Date of Summary:</b> 04-JAN-2001	<b>First Sample Examined:</b> 4221
<b>Lease Number:</b> G08232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6690
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6690
<b>API Well Number:</b> 608074022300	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4221 - 6690	<b>Water Depth:</b> 2120
<b>Public Info Code:</b> Y 25-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4221 / 4221	DEF AT first sample examined	DEF AT 5
4530 / 4530	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6690 / 6690	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 344	<b>Date of Summary:</b> 04-JAN-2001	<b>First Sample Examined:</b> 6690
<b>Lease Number:</b> G08232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11882
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11870
<b>API Well Number:</b> 608074022301	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6690 - 11880	<b>Water Depth:</b> 2120
<b>Public Info Code:</b> Y 25-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6690 / 6685	DEF AT first sample examined	DEF AT 5
7740 / 7734	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8280 / 8274	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
10770 /10762	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11430 /11421	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11880 /11868	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 344	<b>Date of Summary:</b> 30-JAN-2001	<b>First Sample Examined:</b> 6690
<b>Lease Number:</b> G08232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11882
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11870
<b>API Well Number:</b> 608074022301	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6690 - 11880	<b>Water Depth:</b> 2120
<b>Public Info Code:</b> Y 25-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6690 / 6685	DEF AT first sample examined	DEF AT
7980 / 7974	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9420 / 9413	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9660 / 9653	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11070 /11062	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11460 /11451	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11640 /11630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11880 /11868	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 344	<b>Date of Summary:</b> 23-APR-2002	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G08232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24525
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24499
<b>API Well Number:</b> 608074023800	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8010 - 24525	<b>Water Depth:</b> 2312
<b>Public Info Code:</b> Y 25-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8009	DEF AT first sample examined	DEF AT 4
9990 / 9987	DEF AT - - - - -	DEF AT 5
10050 /10047	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10410 /10407	DEF AT - - - - -	DEF AT 4
10710 /10707	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
14080 /14073	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
14110 /14103	DEF AT - - - - -	DEF AT 5
15370 /15361	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16600 /16587	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18730 /18712	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
20610 /20592	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21090 /21072	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
22050 /22031	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
22380 /22360	DEF AT - - - - -	DEF IN 5
22860 /22839	DEF AT - - - - -	POS AT 6
23160 /23139	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
23370 /23348	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
23580 /23557	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
24525 /24499	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 344	Date of Summary: 23-APR-2002	First Sample Examined: 8010
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 24525
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24499
API Well Number: 608074023800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 8010 - 24525	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8009	DEF AT first sample examined	DEF AT
9840 / 9838	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12640 /12636	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14170 /14163	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15280 /15271	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
16000 /15990	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16600 /16587	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16900 /16885	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18760 /18742	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20380 /20362	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
20970 /20952	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
21510 /21491	POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
21990 /21971	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
22890 /22869	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
22980 /22959	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23370 /23348	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
23700 /23677	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
24300 /24275	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
24525 /24499	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 344	<b>Date of Summary:</b> 29-MAY-2002	<b>First Sample Examined:</b> 20150
<b>Lease Number:</b> G08232	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25177
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24699
<b>API Well Number:</b> 608074023801	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20150 - 25177	<b>Water Depth:</b> 2312
<b>Public Info Code:</b> Y 25-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20150 /20132	DEF AT first sample examined	DEF AT 5
20151 /20133	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
20480 /20462	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21710 /21636	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
22430 /22260	DEF AT - - - - -	DEF IN 5
22460 /22285	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
23570 /23252	DEF AT faunal change (no faunal increase)	DEF AT 6
24110 /23734	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
24500 /24077	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
24890 /24429	DEF AT faunal change (no faunal increase)	DEF AT 5
25177 /24699	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 344	Date of Summary: 29-MAY-2002	First Sample Examined: 20150
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 25177
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24699
API Well Number: 608074023801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 20150 - 25177	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20150 /20132	DEF AT first sample examined	DEF AT
20151 /20133	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20360 /20342	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
21110 /21080	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
21470 /21420	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
22370 /22210	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
23630 /23305	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
23780 /23439	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
24290 /23894	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
24800 /24345	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
25177 /24699	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 344	Date of Summary: 10-JUL-2002	First Sample Examined: 15380
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 23435
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22501
API Well Number: 608074023802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 15380 - 23435	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15380 /15371	DEF AT first sample examined	DEF AT 5
15680 /15667	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16640 /16609	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18710 /18659	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
20840 /20467	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21110 /20676	DEF AT -----	DEF IN 5
21290 /20816	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
21680 /21119	DEF AT -----	DEF AT 5
22370 /21656	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
22760 /21961	DEF AT -----	POS AT 6
23120 /22247	DEF AT -----	DEF AT 5
23330 /22416	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
23435 /22501	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 344	Date of Summary: 10-JUL-2002	First Sample Examined: 15380
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 23435
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22501
API Well Number: 608074023802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 15380 - 23435	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15380 /15371	DEF AT first sample examined	DEF AT
15381 /15372	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16250 /16223	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16640 /16609	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18740 /18688	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20450 /20164	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
21170 /20722	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
21680 /21119	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
22310 /21610	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
22760 /21961	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23300 /22391	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23435 /22501	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 344	Date of Summary: 03-JAN-2001	First Sample Examined: 11880
Lease Number: G33195	Source of Paleo: OPERATOR	Borehole MD: 21024
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19615
API Well Number: 608074022302	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 11880 - 21024	Water Depth: 2092
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11880 /11869	DEF AT first sample examined	DEF AT
12090 /12076	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12690 /12655	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13560 /13429	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14490 /14193	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14600 /14280	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14760 /14406	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14880 /14502	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15060 /14646	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15180 /14742	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15240 /14790	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15660 /15122	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15840 /15264	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15930 /15335	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15990 /15383	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16260 /15599	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16320 /15647	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
16380 /15695	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16560 /15842	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16620 /15892	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16830 /16067	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16920 /16141	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 344	<b>Date of Summary:</b> 03-JAN-2001	<b>First Sample Examined:</b> 11880
<b>Lease Number:</b> G33195	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21024
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19615
<b>API Well Number:</b> 608074022302	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11880 - 21024	<b>Water Depth:</b> 2092
<b>Public Info Code:</b> Y 25-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17280 /16427	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17310 /16451	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17460 /16571	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17670 /16736	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20730 /19334	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
21024 /19615	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 344	Date of Summary: 04-JAN-2001	First Sample Examined: 11880
Lease Number: G33195	Source of Paleo: OPERATOR	Borehole MD: 21024
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19615
API Well Number: 608074022302	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 11880 - 21024	Water Depth: 2092
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11880 /11869	DEF AT first sample examined	DEF AT 5
12090 /12076	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13530 /13403	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
13560 /13429	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14670 /14335	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
14910 /14526	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
15060 /14646	DEF AT -----	DEF AT 6
15210 /14766	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15360 /14885	DEF AT -----	DEF IN 5
16320 /15647	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16680 /15942	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16830 /16067	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16995 /16201	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
17040 /16236	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
17430 /16547	DEF AT -----	DEF AT 5
17460 /16571	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
19410 /18134	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
20490 /19107	DEF AT -----	DEF IN 5
20700 /19305	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
21024 /19615	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 357	<b>Date of Summary:</b> 20-FEB-2004	<b>First Sample Examined:</b> 8340
<b>Lease Number:</b> G24484	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18585
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18579
<b>API Well Number:</b> 608074026300	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8340 - 18580	<b>Water Depth:</b> 2098
<b>Public Info Code:</b> Y 20-MAR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8340 / 8340	DEF AT first sample examined	DEF AT 5
8370 / 8370	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10170 /10169	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
10740 /10739	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14220 /14218	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
17380 /17376	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17410 /17406	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
18309 /18303	DEF AT pyrite	DEF AT 5
18310 /18304	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
18580 /18574	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 357	<b>Date of Summary:</b> 20-FEB-2004	<b>First Sample Examined:</b> 8340
<b>Lease Number:</b> G24484	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18585
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18579
<b>API Well Number:</b> 608074026300	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8340 - 18580	<b>Water Depth:</b> 2098
<b>Public Info Code:</b> Y 20-MAR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8340 / 8340	DEF AT first sample examined	DEF AT
8520 / 8520	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9540 / 9540	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10740 /10739	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11730 /11729	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14640 /14638	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16900 /16896	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18310 /18304	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18580 /18574	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 367	Date of Summary: 28-MAY-1998	First Sample Examined: 2500
Lease Number: G17351	Source of Paleo: OPERATOR	Borehole MD: 11415
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11259
API Well Number: 608074064100	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2500 - 11410	Water Depth: 1122
Public Info Code: Y 30-MAR-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2500 / 2500	DEF AT first sample examined	DEF AT 4
5050 / 5050	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10600 /10487	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscons (acme "B")	DEF AT 5
11350 /11198	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11410 /11255	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 367	Date of Summary: 28-MAY-1998	First Sample Examined: 2500
Lease Number: G17351	Source of Paleo: OPERATOR	Borehole MD: 11415
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11259
API Well Number: 608074064100	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2500 - 11410	Water Depth: 1122
Public Info Code: Y 30-MAR-2002	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2500 / 2500	DEF AT first sample examined	DEF AT
4450 / 4450	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6250 / 6250	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8410 / 8398	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8500 / 8484	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9460 / 9401	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10600 /10487	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11200 /11056	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11350 /11198	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11410 /11255	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 368	<b>Date of Summary:</b> 10-JUL-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17352	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 20031
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 20029
<b>API Well Number:</b> 608074063200	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 930
<b>Public Info Code:</b> Y 27-JAN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3990 / 3990	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8700 / 8700	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10050 /10049	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15090 /15089	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18300 /18299	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18960 /18959	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
19830 /19829	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 370	Date of Summary: 01-AUG-1997	First Sample Examined: 6780
Lease Number: G17354	Source of Paleo: OPERATOR	Borehole MD: 10400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10400
API Well Number: 608074063600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 4050 - 10398	Water Depth: 1400
Public Info Code: Y 31-DEC-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6780 / 6779	DEF AT first sample examined	DEF AT 4
6781 / 6780	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
7260 / 7259	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
7290 / 7289	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT 4
7620 / 7619	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
7770 / 7769	DEF AT local marker foram increase	DEF AT 4
9030 / 9029	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 3
9150 / 9149	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 3
10110 /10109	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
10210 /10209	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10398 /10397	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 372	Date of Summary: 26-JUN-1997	First Sample Examined: 0
Lease Number: G17355	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8500
API Well Number: 608074016500	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1526
Public Info Code: Y 31-DEC-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3910 / 3910	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5980 / 5980	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 378	<b>Date of Summary:</b> 06-JAN-2009	<b>First Sample Examined:</b> 4605
<b>Lease Number:</b> G31617	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15287
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13185
<b>API Well Number:</b> 608074029300	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4605 - 15280	<b>Water Depth:</b> 1915
<b>Public Info Code:</b> Y 03-OCT-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4605 / 4605	DEF AT first sample examined	DEF IN 5
4606 / 4606	DEF IN out-of-place section	DEF IN 5
4900 / 4900	DEF AT - - - - -	DEF AT 5
5200 / 5200	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
5770 / 5770	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
5830 / 5830	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6279 / 6278	POS AT maximum flooding surface	DEF AT 5
6280 / 6279	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
7210 / 7205	POS AT maximum flooding surface	DEF IN 5
7240 / 7235	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
7450 / 7442	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
7600 / 7588	DEF AT - - - - -	DEF AT 5
8950 / 8776	POS AT sequence boundary	DEF AT 5
9759 / 9336	POS AT maximum flooding surface	DEF IN 5
9760 / 9337	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF IN 5
9790 / 9356	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
10060 / 9534	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10179 / 9615	POS AT maximum flooding surface	DEF IN 5
10180 / 9616	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
10300 / 9700	DEF AT - - - - -	DEF AT 5
10780 / 10041	POS AT maximum flooding surface	DEF AT 5
11710 / 10668	POS AT sequence boundary	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 378	Date of Summary: 06-JAN-2009	First Sample Examined: 4605
Lease Number: G31617	Source of Paleo: OPERATOR	Borehole MD: 15287
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13185
API Well Number: 608074029300	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 4605 - 15280	Water Depth: 1915
Public Info Code: Y 03-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11739 /10688	POS AT maximum flooding surface	DEF IN 5
11740 /10688	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
11798 /10727	POS AT maximum flooding surface	DEF IN 5
11799 /10727	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
11800 /10728	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11860 /10768	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
11919 /10807	POS AT maximum flooding surface	DEF AT 5
11920 /10808	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
14710 /12745	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
14830 /12834	POS AT sequence boundary	DEF AT 5
14919 /12901	POS AT maximum flooding surface	DEF AT 5
14920 /12902	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14950 /12925	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15280 /13180	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 385	Date of Summary: 21-SEP-2000	First Sample Examined: 0
Lease Number: G10350	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 25500
Well Name: LL001	Paleo Done By: OPERATOR	Borehole TVD: 24709
API Well Number: 608074021304	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2632
Public Info Code: Y 17-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22250 /21573	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
22310 /21630	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22490 /21802	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
23690 /22947	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
23780 /23033	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
23870 /23118	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
24320 /23550	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
24380 /23608	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
25020 /24234	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
25349 /24559	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
25350 /24560	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
25410 /24620	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
25470 /24679	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 385	<b>Date of Summary:</b> 14-DEC-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17358	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11740
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11670
<b>API Well Number:</b> 608074021300	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 2430
<b>Public Info Code:</b> Y 30-NOV-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5510 / 5509	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8990 / 8988	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9800 / 9791	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 385	Date of Summary: 28-NOV-2001	First Sample Examined: 4805
Lease Number: G17358	Source of Paleo: OPERATOR	Borehole MD: 18778
Well Name: LL002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18764
API Well Number: 608074023100	Drilling Operator: SHELL GULF OF MEXICO INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4805 - 18778	Water Depth: 2632
Public Info Code: Y 01-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4805 / 4803	DEF AT first sample examined	DEF AT 4
5130 / 5127	DEF AT -----	DEF AT 5
5340 / 5336	DEF AT -----	DEF IN 5
5670 / 5666	DEF AT -----	DEF AT 5
5910 / 5905	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6600 / 6594	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9210 / 9203	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
17970 /17959	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
18778 /18764	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 385	Date of Summary: 28-NOV-2001	First Sample Examined: 4805
Lease Number: G17358	Source of Paleo: OPERATOR	Borehole MD: 18778
Well Name: LL002	Paleo Done By: OPERATOR	Borehole TVD: 18764
API Well Number: 608074023100	Drilling Operator: SHELL GULF OF MEXICO INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 4805 - 18778	Water Depth: 2632
Public Info Code: Y 01-SEP-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4805 / 4803	DEF AT first sample examined	DEF AT
5490 / 5486	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10230 /10223	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10890 /10882	DEF AT sample gap top	DEF AT
11010 /11002	DEF AT sample gap bottom	DEF AT
12630 /12621	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13020 /13011	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15120 /15111	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18180 /18169	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18570 /18558	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18778 /18764	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 385	Date of Summary: 28-NOV-2001	First Sample Examined: 14220
Lease Number: G17358	Source of Paleo: OPERATOR	Borehole MD: 24746
Well Name: LL002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22788
API Well Number: 608074023101	Drilling Operator: SHELL GULF OF MEXICO INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 14220 - 24720	Water Depth: 2632
Public Info Code: Y 12-NOV-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14220 /14212	DEF AT first sample examined	DEF AT 5
18000 /17984	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
20730 /20503	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
20790 /20548	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
23640 /22150	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
24450 /22602	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
24570 /22675	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
24600 /22694	DEF AT -----	DEF AT 5
24720 /22769	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 385	Date of Summary: 28-NOV-2001	First Sample Examined: 14220
Lease Number: G17358	Source of Paleo: OPERATOR	Borehole MD: 24746
Well Name: LL002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22788
API Well Number: 608074023101	Drilling Operator: SHELL GULF OF MEXICO INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 14220 - 24720	Water Depth: 2632
Public Info Code: Y 12-NOV-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14220 /14212	DEF AT first sample examined	DEF AT
15150 /15140	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18000 /17984	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18480 /18462	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20760 /20526	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
20790 /20548	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21750 /21145	DEF AT sample gap top	DEF AT
22800 /21701	DEF AT sample gap bottom	DEF AT
23670 /22166	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
24120 /22410	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
24270 /22495	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
24420 /22584	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
24450 /22602	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
24510 /22638	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
24600 /22694	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
24660 /22732	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
24720 /22769	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 385	<b>Date of Summary:</b> 28-NOV-2001	<b>First Sample Examined:</b> 22830
<b>Lease Number:</b> G17358	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24813
<b>Well Name:</b> LL002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22833
<b>API Well Number:</b> 608074023102	<b>Drilling Operator:</b> SHELL GULF OF MEXICO INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22830 - 24813	<b>Water Depth:</b> 2610
<b>Public Info Code:</b> Y 27-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22830 /21718	DEF AT first sample examined	DEF AT 5
22831 /21718	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
23670 /22177	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
24735 /22785	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
24813 /22833	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 385	<b>Date of Summary:</b> 28-NOV-2001	<b>First Sample Examined:</b> 22830
<b>Lease Number:</b> G17358	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24813
<b>Well Name:</b> LL002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22833
<b>API Well Number:</b> 608074023102	<b>Drilling Operator:</b> SHELL GULF OF MEXICO INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22830 - 24813	<b>Water Depth:</b> 2610
<b>Public Info Code:</b> Y 27-NOV-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22830 /21718	DEF AT first sample examined	DEF AT
22831 /21718	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
23850 /22274	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
24689 /22757	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
24690 /22758	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
24735 /22785	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
24780 /22813	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
24813 /22833	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 386	Date of Summary: 17-NOV-1997	First Sample Examined: 4226
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 20118
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19451
API Well Number: 608074016600	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4226 - 20120	Water Depth: 2663
Public Info Code: Y 14-NOV-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4226 / 4226	DEF AT first sample examined	DEF AT
4460 / 4459	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6020 / 6017	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11030 /11026	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13850 /13768	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13880 /13795	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
16010 /15702	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18720 /18180	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19530 /18921	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20120 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 386	Date of Summary: 20-NOV-1997	First Sample Examined: 4226
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 20118
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19451
API Well Number: 608074016600	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4226 - 20120	Water Depth: 2663
Public Info Code: Y 14-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4226 / 4226	DEF AT first sample examined	POS AT 4
4227 / 4227	DEF AT cement	POS AT 4
4370 / 4369	DEF AT -----	DEF AT 4
4580 / 4579	DEF AT -----	DEF AT 5
5660 / 5657	DEF AT -----	DEF IN 5
6110 / 6107	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
6170 / 6167	DEF AT -----	DEF AT 5
6590 / 6587	DEF AT -----	DEF AT 4
7580 / 7576	DEF AT -----	DEF AT 5
7790 / 7786	DEF AT -----	DEF AT 4
8600 / 8596	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
11240 /11236	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
13880 /13795	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
18750 /18208	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
20120 /	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 386	<b>Date of Summary:</b> 29-DEC-1997	<b>First Sample Examined:</b> 18230
<b>Lease Number:</b> G10350	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25342
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24512
<b>API Well Number:</b> 608074016601	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 18230 - 25280	<b>Water Depth:</b> 2663
<b>Public Info Code:</b> Y 09-JAN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram report for sidetrack 1, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18230 /17734	DEF AT first sample examined	DEF AT 5
18920 /18387	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
21110 /20468	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
23630 /22862	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
23930 /23147	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
25160 /24334	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25280 /24451	DEF AT last sample examined	DEF IN 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 386	Date of Summary: 29-DEC-1997	First Sample Examined: 18230
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24512
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 18230 - 25280	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: N	Paleo ID: 003

Remark: Calcareous nannofossil report for sidetrack 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18230 /17734	DEF AT first sample examined	DEF AT
18770 /18243	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
21110 /20468	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
22190 /21493	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
23660 /22890	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
23960 /23175	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
24260 /23462	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
25100 /24275	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
25280 /24451	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 386	<b>Date of Summary:</b> 28-JUL-1998	<b>First Sample Examined:</b> 25332
<b>Lease Number:</b> G10350	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25342
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24512
<b>API Well Number:</b> 608074016601	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 25332 - 27730	<b>Water Depth:</b> 2663
<b>Public Info Code:</b> Y 09-JAN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Foram report for extension

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25332 /24502	DEF AT first sample examined	DEF IN 5
25480 /	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25630 /	DEF AT -----	DEF AT 6
25781 /	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
26800 /	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
27130 /	DEF AT -----	DEF AT 5
27340 /	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
27730 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 386	<b>Date of Summary:</b> 28-JUL-1998	<b>First Sample Examined:</b> 25332
<b>Lease Number:</b> G10350	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25342
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24512
<b>API Well Number:</b> 608074016601	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 25332 - 27730	<b>Water Depth:</b> 2663
<b>Public Info Code:</b> Y 09-JAN-2008	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report for extension

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25332 /24502	DEF AT first sample examined	DEF AT
25810 /	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
26560 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
27100 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
27340 /	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
27730 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 24993
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 27864
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26978
API Well Number: 608074016602	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 24993 - 26750	Water Depth: 2663
Public Info Code: Y 06-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24993 /24171	DEF AT first sample examined	DEF IN 5
25260 /24432	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25530 /24696	DEF AT - - - - -	POS AT 6
25710 /24872	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
26750 /25889	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 24993
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 27864
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26978
API Well Number: 608074016602	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 24993 - 26750	Water Depth: 2663
Public Info Code: Y 06-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24990 /24168	DEF AT first sample examined	DEF AT
25800 /24960	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
26460 /25605	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
26750 /25889	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 386	Date of Summary: 25-MAR-1999	First Sample Examined: 4110
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 22045
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21555
API Well Number: 608074018800	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4110 - 22045	Water Depth: 2520
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 21750=Early Pliocene fauna, probably out of place, 22020=Late Miocene fauna, probably out of place, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4110 / 4110	DEF AT first sample examined	POS AT 5
4111 / 4111	DEF AT cement	POS AT 5
4320 / 4319	DEF AT - - - - -	DEF AT 5
5430 / 5428	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6810 / 6807	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12750 /12662	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
17070 /16754	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
18750 /18356	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
21090 /20608	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
21749 /21260	POS AT out-of-place section	DEF AT 5
21750 /21261	POS IN Lower Pliocene	DEF AT 5
22019 /21529	POS AT out-of-place section	DEF AT 5
22020 /21530	POS IN Upper (Late) Miocene	DEF AT 5
22045 /21555	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 386	<b>Date of Summary:</b> 29-MAR-1999	<b>First Sample Examined:</b> 4110
<b>Lease Number:</b> G10350	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22045
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21555
<b>API Well Number:</b> 608074018800	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4110 - 22045	<b>Water Depth:</b> 2520
<b>Public Info Code:</b> Y 28-FEB-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4110 / 4110	DEF AT first sample examined	DEF AT
4800 / 4799	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
5280 / 5278	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9780 / 9777	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12720 /12634	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12750 /12662	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14700 /14504	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17010 /16697	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17700 /17355	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18840 /18441	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21090 /20608	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21540 /21053	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
22045 /21555	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 386	<b>Date of Summary:</b> 25-MAR-1999	<b>First Sample Examined:</b> 19270
<b>Lease Number:</b> G10350	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22134
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21625
<b>API Well Number:</b> 608074018801	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19270 - 22134	<b>Water Depth:</b> 2520
<b>Public Info Code:</b> Y 14-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19270 /18849	DEF AT first sample examined	DEF AT 5
19271 /18850	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
21090 /20610	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
21809 /21310	POS AT out-of-place section	DEF AT 5
21810 /21311	POS IN Lower Pliocene	DEF AT 5
21869 /21368	POS AT out-of-place section	DEF AT 5
21870 /21369	POS AT Upper (Late) Miocene	DEF AT 5
22134 /21625	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 386	<b>Date of Summary:</b> 29-MAR-1999	<b>First Sample Examined:</b> 19270
<b>Lease Number:</b> G10350	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22134
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21625
<b>API Well Number:</b> 608074018801	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19270 - 22134	<b>Water Depth:</b> 2520
<b>Public Info Code:</b> Y 14-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19270 /18849	DEF AT first sample examined	DEF AT
19500 /19069	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21090 /20610	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21480 /20990	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
22134 /21625	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 387	Date of Summary: 18-JAN-1996	First Sample Examined: 6720
Lease Number: G07485	Source of Paleo: OPERATOR	Borehole MD: 11486
Well Name: SB001	Paleo Done By: OPERATOR	Borehole TVD: 11300
API Well Number: 608074014000	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 6720 - 11490	Water Depth: 2081
Public Info Code: Y 28-OCT-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Consultant-integrated foram and nanno report done by Ragan Biostrat, 10200=Globorotalia planispira

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6720 / 6597	DEF AT first sample examined	DEF AT
6839 / 6710	DEF AT sequence boundary	DEF AT
6840 / 6711	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8009 / 7843	DEF AT sequence boundary	DEF AT
8010 / 7844	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9000 / 8815	DEF AT local marker foram increase	DEF AT
9150 / 8965	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
9419 / 9234	POS AT unconformity	DEF AT
9420 / 9235	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10200 /10014	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
10410 /10224	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10980 /10794	DEF AT sequence boundary	DEF AT
11010 /10824	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
11190 /11004	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11430 /11244	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11490 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 387	Date of Summary: 18-JAN-1996	First Sample Examined: 6720
Lease Number: G07485	Source of Paleo: OPERATOR	Borehole MD: 11400
Well Name: SB001	Paleo Done By: OPERATOR	Borehole TVD: 11271
API Well Number: 608074014001	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 6180 - 11400	Water Depth: 2081
Public Info Code: Y 20-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Ragan Biostrat

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6720 / 6609	DEF AT first sample examined	DEF AT
6809 / 6695	DEF AT sequence boundary	DEF AT
6810 / 6696	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8009 / 7880	DEF AT sequence boundary	DEF AT
8010 / 7881	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9000 / 8871	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
9240 / 9111	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
10499 /10370	DEF AT Cyclammina sp. (local marker)	DEF AT
10500 /10371	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT
11400 /11271	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 387	<b>Date of Summary:</b> 17-MAR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07485	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 19000
<b>Well Name:</b> SB003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15965
<b>API Well Number:</b> 608074015200	<b>Drilling Operator:</b> ENSERCH EXPLORATION INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 2081
<b>Public Info Code:</b> Y 15-SEP-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11790 / 9520	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11910 / 9602	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15480 /12483	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17700 /14669	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18150 /15116	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18360 /15326	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
18450 /15416	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 388	Date of Summary: 08-APR-1990	First Sample Examined: 3845
Lease Number: G07486	Source of Paleo: OPERATOR	Borehole MD: 11205
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10413
API Well Number: 608074006700	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 3845 - 11205	Water Depth: 2304
Public Info Code: Y 07-MAY-2000	Ecozone Eq MMS:	Paleo ID: 003

Remark: Cooper Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3845 / 3845	DEF AT first sample examined	DEF AT
4380 / 4375	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
11040 /10269	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11205 /10414	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 388	Date of Summary: 23-JUN-1990	First Sample Examined: 3845
Lease Number: G07486	Source of Paleo: OPERATOR	Borehole MD: 11205
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10413
API Well Number: 608074006700	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 3845 - 11205	Water Depth: 2304
Public Info Code: Y 07-MAY-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Cooper Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3845 / 3845	DEF AT first sample examined	DEF AT 6
3846 / 3846	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 6
4260 / 4258	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
4380 / 4375	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 6
4440 / 4434	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 6
4830 / 4806	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT 6
8160 / 7738	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 6
11040 /10269	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
11070 /10295	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
11100 /10321	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 6
11205 /10414	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 388	<b>Date of Summary:</b> 28-FEB-1992	<b>First Sample Examined:</b> 5760
<b>Lease Number:</b> G07486	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10800
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10039
<b>API Well Number:</b> 608074009400	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5760 - 10800	<b>Water Depth:</b> 2096
<b>Public Info Code:</b> Y 06-MAR-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sidetrack 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5760 / 5554	DEF AT first sample examined	DEF AT
5761 / 5555	DEF AT poor sample interval top	DEF AT
5762 / 5556	DEF AT anhydrite	DEF AT
6750 / 6373	DEF AT anhydrite	DEF AT 4
8010 / 7487	DEF AT poor sample interval bottom	DEF AT 4
8070 / 7541	DEF AT anhydrite	DEF AT 4
8460 / 7894	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
10800 /10039	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 388	Date of Summary: 05-MAR-1992	First Sample Examined: 0
Lease Number: G07486	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10800
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 10039
API Well Number: 608074009400	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 2096
Public Info Code: Y 06-MAR-2002	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report for sidetrack 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6750 / 6373	DEF AT - - - - -	DEF AT 4
6840 / 6450	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 4
8460 / 7894	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
9840 / 9156	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 409	<b>Date of Summary:</b> 17-JUN-1997	<b>First Sample Examined:</b> 2780
<b>Lease Number:</b> G15891	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9011
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8580
<b>API Well Number:</b> 608074063400	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2780 - 9011	<b>Water Depth:</b> 1355
<b>Public Info Code:</b> Y 04-JUL-2007	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Lady Bug Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2780 / 2780	DEF AT first sample examined	DEF AT
4270 / 4211	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
4330 / 4266	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5410 / 5257	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6430 / 6191	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7210 / 6906	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8590 / 8174	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8830 / 8398	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9011 / 8566	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 409	Date of Summary: 17-AUG-1997	First Sample Examined: 2780
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9011
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8580
API Well Number: 608074063400	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2780 - 9011	Water Depth: 1355
Public Info Code: Y 04-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Lady Bug Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2780 / 2780	DEF AT first sample examined	DEF IN 2
2920 / 2920	DEF AT local marker benthic foram increase	DEF AT 3
4000 / 3962	DEF AT local marker planktic foram increase	DEF IN 3
4210 / 4156	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 3
4240 / 4183	DEF AT local marker planktic foram increase	DEF AT 4
4300 / 4238	DEF AT foram flood	DEF AT 5
4450 / 4376	DEF AT -----	DEF IN 4
4540 / 4458	DEF AT -----	DEF AT 4
4600 / 4514	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4660 / 4569	DEF AT -----	DEF IN 3
4780 / 4680	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
5050 / 4928	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
5080 / 4956	DEF AT -----	DEF AT 4
5110 / 4983	DEF AT -----	DEF AT 5
5410 / 5257	DEF AT -----	DEF IN 4
5500 / 5340	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
6130 / 5916	DEF AT -----	DEF AT 4
6610 / 6356	DEF AT -----	DEF IN 3
6790 / 6521	DEF AT -----	DEF AT 4
7180 / 6878	DEF AT -----	DEF IN 4
7330 / 7016	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscons (acme "A")	DEF AT 5
7450 / 7126	DEF AT -----	DEF IN 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 409	<b>Date of Summary:</b> 17-AUG-1997	<b>First Sample Examined:</b> 2780
<b>Lease Number:</b> G15891	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9011
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8580
<b>API Well Number:</b> 608074063400	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2780 - 9011	<b>Water Depth:</b> 1355
<b>Public Info Code:</b> Y 04-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8230 / 7841	DEF AT - - - - -	DEF AT 4
8500 / 8091	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
8620 / 8202	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
8680 / 8258	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8890 / 8453	DEF AT - - - - -	DEF IN 4
9011 / 8566	DEF AT last sample examined	DEF IN 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 409	Date of Summary: 16-JUL-1997	First Sample Examined: 2800
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9000
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 6985
API Well Number: 608074063500	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 2800 - 9000	Water Depth: 1360
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Lady Bug Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2800 / 2800	DEF AT first sample examined	DEF AT
4240 / 4186	DEF AT local marker floral increase	DEF AT
4900 / 4736	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5440 / 5110	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6640 / 5742	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8020 / 6457	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8380 / 6646	DEF AT local marker floral increase	DEF AT
9000 / 6985	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 409	Date of Summary: 06-SEP-1997	First Sample Examined: 2800
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9000
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 6985
API Well Number: 608074063500	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2800 - 9000	Water Depth: 1360
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Lady Bug Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2800 / 2800	DEF AT first sample examined	DEF AT 3
4180 / 4132	DEF AT local marker foram increase	DEF IN 3
4240 / 4186	DEF IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
4270 / 4213	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4390 / 4318	DEF AT -----	DEF IN 4
4630 / 4521	DEF AT -----	DEF AT 4
4690 / 4570	DEF AT local marker benthic foram increase	DEF AT 4
4720 / 4594	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4900 / 4736	DEF AT local marker planktic foram increase	DEF AT 5
5080 / 4871	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5170 / 4935	DEF AT local marker benthic foram increase	DEF AT 5
5380 / 5073	DEF AT limestone	DEF AT 5
5470 / 5129	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
5770 / 5302	DEF AT -----	DEF IN 4
5830 / 5334	DEF AT limestone	DEF IN 4
6070 / 5456	DEF AT local marker benthic foram increase	DEF IN 4
6220 / 5530	DEF AT -----	DEF AT 4
6370 / 5604	DEF AT -----	DEF IN 4
6430 / 5634	DEF AT -----	DEF AT 4
6610 / 5727	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
6700 / 5774	DEF AT -----	DEF AT 4
6730 / 5789	DEF AT -----	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 409	<b>Date of Summary:</b> 06-SEP-1997	<b>First Sample Examined:</b> 2800
<b>Lease Number:</b> G15891	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9000
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 6985
<b>API Well Number:</b> 608074063500	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2800 - 9000	<b>Water Depth:</b> 1360
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6880 / 5867	DEF AT - - - - -	DEF IN 3
7960 / 6426	DEF AT local marker benthic foram increase	DEF IN 3
8020 / 6457	DEF AT local marker planktic foram increase	DEF IN 4
8080 / 6489	DEF AT limestone	DEF IN 4
8980 / 6974	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 409	<b>Date of Summary:</b> 19-MAY-1997	<b>First Sample Examined:</b> 2800
<b>Lease Number:</b> G15891	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8660
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8660
<b>API Well Number:</b> 608074016300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2800 - 8660	<b>Water Depth:</b> 1355
<b>Public Info Code:</b> Y 12-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Lady Bug Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2800 / 2800	DEF AT first sample examined	DEF AT
4240 / 4239	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4810 / 4809	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5440 / 5439	POS AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5530 / 5529	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7520 / 7519	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7820 / 7819	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8480 / 8479	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
8660 / 8659	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 409	Date of Summary: 29-MAY-1997	First Sample Examined: 2880
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 8660
Well Name: SS001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8660
API Well Number: 608074016300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2800 - 8660	Water Depth: 1355
Public Info Code: Y 12-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Lady Bug Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2800 / 2800	DEF AT first sample examined	POS AT 2
2920 / 2920	DEF AT -----	DEF AT 2
3070 / 3070	DEF AT -----	DEF IN 2
3670 / 3670	DEF AT -----	DEF IN 3
3790 / 3790	DEF AT -----	DEF AT 3
3940 / 3940	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4179 / 4179	DEF AT local marker planktic foram increase	DEF AT 4
4180 / 4180	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
4210 / 4209	DEF AT foram flood	DEF AT 5
4360 / 4359	DEF AT -----	DEF IN 4
4600 / 4599	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4690 / 4689	DEF AT -----	DEF AT 4
4780 / 4779	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
4960 / 4959	DEF AT -----	DEF IN 4
5079 / 5078	DEF AT foram flood	DEF AT 5
5080 / 5079	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5200 / 5199	DEF AT -----	DEF IN 4
5470 / 5469	DEF AT -----	DEF AT 4
5530 / 5529	DEF AT miliolid limestone	DEF IN 4
5740 / 5739	DEF AT local marker benthic foram increase	DEF IN 4
5950 / 5949	DEF AT local marker foram increase	DEF IN 4
5980 / 5979	DEF AT foram flood	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 409	<b>Date of Summary:</b> 29-MAY-1997	<b>First Sample Examined:</b> 2880
<b>Lease Number:</b> G15891	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8660
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8660
<b>API Well Number:</b> 608074016300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2800 - 8660	<b>Water Depth:</b> 1355
<b>Public Info Code:</b> Y 12-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6070 / 6069	DEF AT -----	DEF IN 3
6580 / 6579	DEF AT local marker foram increase	DEF AT 5
6820 / 6819	DEF AT -----	DEF IN 4
6850 / 6849	DEF AT -----	DEF AT 4
7000 / 6999	DEF AT -----	DEF IN 3
7060 / 7059	DEF AT -----	DEF AT 4
7150 / 7149	DEF AT local marker planktic foram increase	DEF AT 4
7390 / 7389	DEF AT -----	DEF AT 3
7459 / 7458	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
7460 / 7459	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 4
7670 / 7669	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
7820 / 7819	DEF AT local marker foram increase	DEF AT 5
7970 / 7969	DEF AT -----	DEF AT 4
8030 / 8029	DEF AT -----	DEF IN 4
8330 / 8329	DEF AT -----	DEF AT 4
8660 / 8659	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 426	Date of Summary: 15-JUL-1999	First Sample Examined: 20990
Lease Number: G07493	Source of Paleo: OPERATOR	Borehole MD: 26020
Well Name: A011	Paleo Done By: OPERATOR	Borehole TVD: 20722
API Well Number: 608074008900	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 170
Paleo Report Num: 1 of 1	Sample Range: 19403 - 26020	Water Depth: 2862
Public Info Code: Y 03-JUL-2006	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Cardamom Deep Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20990 /16349	DEF AT first sample examined	DEF AT
20991 /16350	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21980 /17165	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
22910 /17991	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
22940 /18017	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
23000 /18071	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
23240 /18284	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT
24740 /19616	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
25890 /20638	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
26020 /20753	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 426	<b>Date of Summary:</b> 25-MAR-2003	<b>First Sample Examined:</b> 23490
<b>Lease Number:</b> G07493	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26638
<b>Well Name:</b> A015	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22268
<b>API Well Number:</b> 608074010001	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 170
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 23490 - 26640	<b>Water Depth:</b> 2862
<b>Public Info Code:</b> Y 26-APR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Cardamom Deep Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23490 /19290	DEF AT first sample examined	POS AT 4
23820 /19600	DEF AT - - - - -	DEF AT 4
24330 /20078	DEF AT turbid water facies	POS AT 4
24360 /20107	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
24480 /20221	DEF AT turbid water facies	POS AT 4
24540 /20278	DEF AT - - - - -	DEF AT 4
24900 /20625	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 4
24960 /20683	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
26070 /21754	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
26310 /21973	DEF AT turbid water facies	POS AT 4
26330 /21991	POS AT Upper Pliocene (Piacenzian) Textularia 1	POS AT 4
26430 /22081	DEF AT local marker foram increase	DEF AT 4
26580 /22216	DEF AT turbid water facies	POS AT 4
26640 /	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 426	<b>Date of Summary:</b> 01-APR-2003	<b>First Sample Examined:</b> 23490
<b>Lease Number:</b> G07493	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26638
<b>Well Name:</b> A015	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22268
<b>API Well Number:</b> 608074010001	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 170
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 23490 - 26636	<b>Water Depth:</b> 2862
<b>Public Info Code:</b> Y 26-APR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Cardamon Deep Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23490 /19290	DEF AT first sample examined	DEF AT
23880 /19656	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
24080 /19844	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
24300 /20050	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
26636 /22266	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 426	<b>Date of Summary:</b> 01-JAN-1992	<b>First Sample Examined:</b> 19989
<b>Lease Number:</b> G07498	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21174
<b>Well Name:</b> A007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19505
<b>API Well Number:</b> 608074008100	<b>Drilling Operator:</b> SHELL DEEPWATER PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15050 - 21126	<b>Water Depth:</b> 2862
<b>Public Info Code:</b> Y 10-AUG-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15050 /14276	DEF AT first sample examined	DEF AT
20320 /18808	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 4
21096 /19441	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
21126 /19465	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 426	Date of Summary: 01-MAR-2003	First Sample Examined: 18000
Lease Number: G07498	Source of Paleo: OPERATOR	Borehole MD: 27156
Well Name: A015	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22426
API Well Number: 608074010000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 170
Paleo Report Num: 1 of 1	Sample Range: 18000 - 27155	Water Depth: 2862
Public Info Code: Y 09-MAR-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: Cardamon Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
18000 /15209	DEF AT first sample examined	DEF AT
18480 /15544	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
18990 /15889	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
19080 /15950	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
19230 /16054	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19620 /16333	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20700 /17134	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
22500 /18432	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
22530 /18456	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
22590 /18504	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
22800 /18675	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
22830 /18700	POS IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
24210 /19962	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
26820 /22151	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
26880 /22200	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
26970 /22273	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
27059 /22346	POS AT reworked material	DEF AT
27060 /22347	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
27155 /22425	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 426	Date of Summary: 04-MAR-2002	First Sample Examined: 18300
Lease Number: G08241	Source of Paleo: OPERATOR	Borehole MD: 24000
Well Name: A018	Paleo Done By: OPERATOR	Borehole TVD: 21706
API Well Number: 608074010302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 170
Paleo Report Num: 1 of 2	Sample Range: 18300 - 24000	Water Depth: 2862
Public Info Code: Y 10-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Ragan Biostrat, 21840=Globorotalia cf margaritae semi-regional event, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18300 /17507	DEF AT first sample examined	DEF AT
18600 /17776	DEF AT -----	DEF AT 4
18660 /17827	DEF AT local marker foram increase	DEF AT 4
18690 /17853	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18750 /17904	DEF AT -----	DEF AT 4
18900 /18027	DEF AT local marker foram increase	DEF AT 5
19030 /18130	DEF AT -----	POS IN 2
19060 /18153	DEF AT -----	POS AT 3
19090 /18176	DEF AT -----	DEF IN 3
19200 /18260	DEF AT -----	DEF AT 4
19230 /18283	DEF AT local marker foram increase	DEF AT 4
19260 /18306	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
19350 /18374	DEF AT -----	DEF AT 4
19560 /18534	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
19740 /18670	DEF AT -----	DEF AT 4
19980 /18845	DEF AT -----	DEF AT 5
20040 /18889	DEF AT -----	DEF AT 4
20190 /18996	DEF AT -----	DEF AT 5
20220 /19017	DEF AT -----	DEF AT 4
20580 /19271	DEF AT local marker foram increase	DEF AT 5
20670 /19334	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 426	Date of Summary: 04-MAR-2002	First Sample Examined: 18300
Lease Number: G08241	Source of Paleo: OPERATOR	Borehole MD: 24000
Well Name: A018	Paleo Done By: OPERATOR	Borehole TVD: 21706
API Well Number: 608074010302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 170
Paleo Report Num: 1 of 2	Sample Range: 18300 - 24000	Water Depth: 2862
Public Info Code: Y 10-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20960 /19540	DEF AT -----	DEF AT 4
21190 /19703	DEF AT local marker foram increase	DEF AT 4
21230 /19731	DEF AT -----	DEF AT 5
21510 /19919	DEF AT local marker foram increase	DEF AT 5
21600 /19975	DEF AT local marker foram increase	DEF AT 5
21810 /20113	DEF AT local marker foram increase	DEF AT 5
21840 /20135	DEF AT local marker planktic foram increase	DEF AT 5
22170 /20389	DEF AT -----	DEF AT 4
22440 /20601	DEF AT -----	DEF AT 5
22560 /20697	DEF AT local marker foram increase	DEF AT 5
22830 /20909	DEF AT local marker foram increase	DEF AT 5
22940 /20993	DEF AT faunal change (no faunal increase)	DEF AT 4
23130 /21133	DEF AT local marker foram increase	DEF AT 4
23190 /21175	DEF AT local marker foram increase	DEF AT 5
23250 /21217	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
23430 /21340	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
23770 /21565	DEF AT local marker foram increase	DEF AT 5
23790 /21578	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
23850 /21615	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
24000 /21706	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 426	Date of Summary: 09-MAR-2002	First Sample Examined: 18300
Lease Number: G08241	Source of Paleo: OPERATOR	Borehole MD: 24000
Well Name: A018	Paleo Done By: OPERATOR	Borehole TVD: 21706
API Well Number: 608074010302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 170
Paleo Report Num: 2 of 2	Sample Range: 18300 - 24000	Water Depth: 2862
Public Info Code: Y 10-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report done by Morin Biostratigraphic Services, 23970=Discoaster sp 7, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18300 /17507	DEF AT first sample examined	DEF AT
18360 /17562	DEF AT sample gap top	DEF AT
18600 /17776	DEF AT sample gap bottom	DEF AT
18720 /17878	DEF AT local marker floral increase	DEF AT
18721 /17879	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
18990 /18099	DEF AT local marker floral increase	DEF AT
19060 /18153	DEF AT reworked material	DEF AT
19230 /18283	DEF AT local marker floral increase	DEF AT
19530 /18511	DEF AT local marker floral increase	DEF AT
19920 /18802	DEF AT reworked material	DEF AT
20580 /19271	DEF AT local marker floral increase	DEF AT
20870 /19476	DEF AT local marker floral increase	DEF AT
21600 /19975	DEF AT local marker floral increase	DEF AT
21630 /19993	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
21810 /20113	DEF AT local marker floral increase	DEF AT
22560 /20697	DEF AT local marker floral increase	DEF AT
22620 /20745	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
23220 /21196	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
23340 /21278	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
23400 /21319	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23460 /21360	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 426	<b>Date of Summary:</b> 09-MAR-2002	<b>First Sample Examined:</b> 18300
<b>Lease Number:</b> G08241	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24000
<b>Well Name:</b> A018	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21706
<b>API Well Number:</b> 608074010302	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 170
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18300 - 24000	<b>Water Depth:</b> 2862
<b>Public Info Code:</b> Y 10-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23490 /21381	DEF AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
23610 /21462	DEF AT local marker floral increase	DEF AT
23830 /21603	DEF AT local marker floral increase	DEF AT
23880 /21633	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
23970 /21688	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
24000 /21706	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 426	Date of Summary: 15-JUL-1999	First Sample Examined: 14100
Lease Number: G08248	Source of Paleo: OPERATOR	Borehole MD: 21750
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 21289
API Well Number: 608074008300	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14100 - 21800	Water Depth: 2862
Public Info Code: Y 16-OCT-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
14100 /14100	DEF AT first sample examined	DEF	AT
14130 /14130	DEF AT sample gap top	DEF	AT
14170 /14170	DEF AT sample gap bottom	DEF	AT
14810 /14809	DEF AT sample gap top	DEF	AT
14840 /14839	DEF AT sample gap bottom	DEF	AT
15020 /15018	DEF AT sample gap top	DEF	AT
15049 /15047	DEF AT sample gap bottom	DEF	AT
15050 /15048	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN 4
15830 /15815	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN 4
15890 /15873	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	IN 4
16270 /16238	DEF AT sample gap top	DEF	AT
16360 /16323	DEF AT sample gap bottom	DEF	AT
16990 /16915	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	IN 4
17420 /17314	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	IN 4
18070 /17913	DEF AT sample gap top	DEF	AT
18330 /18151	DEF AT sample gap bottom	DEF	AT
19260 /19012	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF	IN 4
20531 /20185	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN 4
21040 /20650	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	IN 4
21240 /20831	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	IN 4
21800 /	DEF AT last sample examined	DEF	IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 434	Date of Summary: 12-DEC-2006	First Sample Examined: 17030
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 20072
Well Name: 001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 20071
API Well Number: 608074028100	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 17030 - 20072	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Norman Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17030 /17029	DEF AT first sample examined	DEF AT
17031 /17030	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18290 /18289	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
18320 /18319	POS AT Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT
18350 /18349	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18650 /18649	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18920 /18919	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
19160 /19159	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19250 /19249	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19400 /19399	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20072 /20071	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 434	Date of Summary: 03-JAN-2007	First Sample Examined: 17030
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 20072
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20071
API Well Number: 608074028100	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 17030 - 20090	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Norman Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17030 /17029	DEF AT first sample examined	POS AT 4
17031 /17030	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	POS AT 4
17032 /17031	POS AT out-of-place section	POS AT 4
17060 /17059	DEF AT local marker foram decrease	POS AT 4
17090 /17089	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 4
17120 /17119	POS AT out-of-place section	POS AT 4
17180 /17179	DEF AT - - - - -	DEF AT 4
17300 /17299	DEF AT local marker planktic foram increase	DEF AT 4
17420 /17419	DEF AT - - - - -	DEF AT 5
17450 /17449	DEF AT - - - - -	DEF AT 4
17480 /17479	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
17570 /17569	DEF AT local marker foram increase	DEF AT 5
17600 /17599	DEF AT - - - - -	DEF AT 4
17630 /17629	DEF AT local marker foram decrease	DEF AT 4
17690 /17689	DEF AT local marker foram increase	DEF AT 4
18290 /18289	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
18380 /18379	DEF AT local marker foram decrease	DEF AT 4
18410 /18409	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
18500 /18499	DEF AT local marker foram decrease	DEF AT 4
18620 /18619	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
18650 /18649	DEF AT local marker foram increase	DEF AT 4
19100 /19099	DEF AT Arenaceous fauna (local marker)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 434  
 Lease Number: G21395  
 Well Name: 001  
 API Well Number: 608074028100  
 Paleo Report Num: 2 of 3  
 Public Info Code: Y 14-MAR-2010

Date of Summary: 03-JAN-2007  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: ANADARKO US OFFSHORE LLC  
 Sample Range: 17030 - 20090  
 Ecozone Eq MMS: Y

First Sample Examined: 17030  
 Borehole MD: 20072  
 Borehole TVD: 20071  
 Rkb Elevation: 82  
 Water Depth: 2509  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19130 /19129	POS IN Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
19220 /19219	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19250 /19249	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
19280 /19279	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
19880 /19879	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 4
20000 /19999	DEF AT local marker foram decrease	DEF AT 4
20060 /20059	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 434	Date of Summary: 25-JAN-2007	First Sample Examined: 17060
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 20072
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20071
API Well Number: 608074028100	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 3 of 3	Sample Range: 17060 - 20072	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Norman Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17060 /17059	DEF AT first sample examined	DEF AT 5
17300 /17299	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
17360 /17359	DEF AT - - - - -	DEF AT 6
17420 /17419	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 6
17450 /17449	DEF AT - - - - -	DEF IN 5
17570 /17569	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF IN 5
17630 /17629	DEF AT - - - - -	DEF AT 4
18290 /18289	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
18320 /18319	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
18440 /18439	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
18650 /18649	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
18770 /18769	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
18890 /18889	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
19130 /19129	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
19160 /19159	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF IN 5
19250 /19249	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
19309 /19308	POS AT salt weld	DEF IN 5
19310 /19309	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
19340 /19339	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
19700 /19699	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
20072 /20071	DEF AT last sample examined	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 434	Date of Summary: 10-APR-2007	First Sample Examined: 17150
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 27712
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27705
API Well Number: 608074028101	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 17150 - 27180	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Norman Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17150 /17145	DEF AT first sample examined	DEF AT 5
17330 /17324	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
17420 /17414	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
17480 /17474	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
17540 /17534	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
17570 /17564	DEF AT - - - - -	DEF AT 5
18240 /18234	DEF AT - - - - -	DEF IN 5
18360 /18354	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
18390 /18384	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
18510 /18504	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
18720 /18714	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
18810 /18804	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
18839 /18833	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
18840 /18834	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF IN 5
18930 /18924	DEF AT - - - - -	DEF AT 5
19170 /19164	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
19349 /19343	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
19350 /19344	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
19440 /19434	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20610 /20604	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
20850 /20844	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 434	Date of Summary: 10-APR-2007	First Sample Examined: 17150
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 27712
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27705
API Well Number: 608074028101	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 17150 - 27180	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21150 /21144	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
21270 /21264	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
21540 /21534	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
21630 /21624	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21690 /21684	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21719 /21713	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
21720 /21714	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 5
22230 /22224	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22290 /22284	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
22380 /22374	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
22440 /22434	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
24300 /24294	DEF AT salt	DEF AT 5
24780 /24774	DEF AT base of salt	DEF AT 5
24781 /24775	DEF AT local marker floral increase	DEF AT 5
24840 /24834	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
24900 /24894	DEF AT out-of-place section	DEF AT 5
24930 /24924	DEF AT reworked material	DEF AT 5
25079 /25073	DEF IN Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
25080 /25074	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 5
25140 /25134	DEF AT reworked material	DEF AT 5
25170 /25164	DEF AT out-of-place section	DEF AT 5
25230 /25224	DEF AT salt	DEF AT 5
26610 /26603	DEF AT base of salt	DEF AT 5
26670 /26663	DEF AT out-of-place section	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 434	Date of Summary: 10-APR-2007	First Sample Examined: 17150
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 27712
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27705
API Well Number: 608074028101	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 17150 - 27180	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27711 /27704	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 458	Date of Summary: 20-JUL-1999	First Sample Examined: 0
Lease Number: G19124	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15755
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15750
API Well Number: 608074082100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2183
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: 11940=Glomospira charoides

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4350 / 4349	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5610 / 5606	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
11940 /11936	DEF AT local marker benthic foram increase	DEF AT
13320 /13315	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
15120 /15115	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

Area Block: GB 460	Date of Summary: 01-JAN-2000	First Sample Examined: 3850
Lease Number: G15900	Source of Paleo: OPERATOR	Borehole MD: 17015
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14948
API Well Number: 608074020400	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3850 - 17015	Water Depth: 2501
Public Info Code: Y 25-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Bowshock Prospect, company-integrated foram and nanno report, local marker = proprietary nannofossil zone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3850 / 3850	DEF AT first sample examined	POS AT 6
3910 / 3910	DEF AT transported shelf fauna	POS AT 6
4570 / 4570	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 6
4600 / 4600	DEF AT transported shelf fauna	POS AT 6
4900 / 4900	DEF AT cement	POS AT 6
5590 / 5590	DEF AT - - - - -	DEF IN 5
5619 / 5619	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 5
5620 / 5620	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
5650 / 5650	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
5710 / 5710	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF IN 5
5740 / 5740	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF IN 5
5859 / 5859	POS AT transported outer shelf facies	POS IN 5
5860 / 5860	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa parallela	POS IN 5
5920 / 5920	DEF AT - - - - -	DEF IN 5
6040 / 6040	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
6070 / 6070	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
6130 / 6130	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
6280 / 6280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF IN 5
6340 / 6340	DEF AT transported shelf fauna	POS IN 5
6760 / 6759	DEF AT - - - - -	DEF AT 6
6880 / 6879	DEF AT transported shelf fauna	POS AT 6
7090 / 7085	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 460  
Lease Number: G15900  
Well Name: 001  
API Well Number: 608074020400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 25-OCT-2000

Date of Summary: 01-JAN-2000  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 3850 - 17015  
Ecozone Eq MMS: Y

First Sample Examined: 3850  
Borehole MD: 17015  
Borehole TVD: 14948  
Rkb Elevation: 82  
Water Depth: 2501  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7480 / 7458	DEF IN transported outer shelf facies	POS IN 5
7780 / 7732	DEF AT -----	DEF IN 5
8410 / 8259	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
8620 / 8423	DEF IN transported outer shelf facies	POS IN 5
8660 / 8454	DEF AT -----	DEF AT 6
8800 / 8562	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 6
8860 / 8608	DEF AT -----	DEF AT 5
8950 / 8677	DEF IN local marker (general)	DEF AT 5
9148 / 8828	DEF AT transported shelf fauna	POS AT 5
9190 / 8861	DEF AT -----	DEF AT 6
9220 / 8884	DEF AT local marker (general)	DEF AT 6
9310 / 8954	DEF IN transported outer shelf facies	POS AT 6
9370 / 9002	DEF AT -----	DEF AT 5
9490 / 9097	DEF IN transported outer shelf facies	POS AT 5
9550 / 9144	DEF AT -----	DEF AT 5
9610 / 9192	DEF AT transported inner shelf facies	POS AT 5
10390 / 9807	DEF AT local marker (general)	DEF AT 5
10570 / 9948	DEF AT transported shelf fauna	POS AT 5
10630 / 9995	DEF AT -----	DEF AT 5
10690 /10042	DEF AT transported shelf fauna	POS AT 5
11020 /10300	DEF AT -----	DEF AT 5
11140 /10395	DEF IN transported outer shelf facies	POS AT 5
11200 /10442	DEF AT -----	DEF AT 5
11470 /10653	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 460	Date of Summary: 01-JAN-2000	First Sample Examined: 3850
Lease Number: G15900	Source of Paleo: OPERATOR	Borehole MD: 17015
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14948
API Well Number: 608074020400	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3850 - 17015	Water Depth: 2501
Public Info Code: Y 25-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11680 /10818	DEF AT transported inner shelf facies	POS AT 5
12010 /11080	DEF IN transported outer shelf facies	POS AT 5
12070 /11128	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
12100 /11152	DEF IN transported outer shelf facies	POS AT 6
12160 /11199	DEF AT -----	DEF AT 5
12190 /11222	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT 5
12400 /11385	DEF AT transported inner shelf facies	POS AT 5
12820 /11705	DEF AT -----	DEF AT 6
12940 /11797	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
12970 /11820	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 6
13060 /11889	DEF AT transported outer shelf facies	POS AT 6
13120 /11935	DEF AT -----	DEF AT 6
13360 /12118	DEF AT local marker (general)	DEF AT 6
13380 /12133	DEF IN transported outer shelf facies	POS AT 6
13420 /12163	DEF AT -----	DEF AT 6
13480 /12209	DEF IN transported outer shelf facies	POS AT 6
13600 /12301	DEF AT -----	DEF AT 6
13660 /12347	DEF IN transported outer shelf facies	POS AT 6
13840 /12488	DEF AT -----	DEF AT 6
13900 /12535	DEF IN transported outer shelf facies	POS AT 6
14020 /12631	DEF AT -----	DEF AT 6
14080 /12679	DEF AT -----	POS IN 4
14260 /12823	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS IN 4
14320 /12871	DEF AT -----	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 460  
Lease Number: G15900  
Well Name: 001  
API Well Number: 608074020400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 25-OCT-2000

Date of Summary: 01-JAN-2000  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 3850 - 17015  
Ecozone Eq MMS: Y

First Sample Examined: 3850  
Borehole MD: 17015  
Borehole TVD: 14948  
Rkb Elevation: 82  
Water Depth: 2501  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14660 /13144	DEF IN transported outer shelf facies	DEF IN 6
15070 /13469	DEF AT -----	DEF IN 5
15280 /13637	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
15760 /14005	DEF AT transported shelf fauna	POS IN 5
16330 /14435	DEF AT -----	DEF IN 5
16360 /14458	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
16390 /14480	DEF AT -----	DEF IN 5
16450 /14525	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
16510 /14570	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
16540 /14593	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
16570 /14615	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
16630 /14660	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
16660 /14682	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
16661 /14683	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
16690 /14705	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
16750 /14749	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
16930 /14884	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
16960 /14907	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
17015 /14948	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 462	Date of Summary: 12-JUN-2008	First Sample Examined: 5100
Lease Number: G19127	Source of Paleo: OPERATOR	Borehole MD: 20670
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20153
API Well Number: 608074028800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5100 - 20670	Water Depth: 2820
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5100 / 5100	DEF AT first sample examined	DEF IN 5
5101 / 5101	DEF AT - - - - -	DEF IN 5
5970 / 5970	POS AT sequence boundary	DEF IN 5
6120 / 6120	POS AT maximum flooding surface	DEF IN 5
6150 / 6150	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
6270 / 6270	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
6390 / 6390	DEF AT - - - - -	DEF AT 5
7680 / 7680	POS AT sequence boundary	DEF AT 5
7710 / 7710	POS AT maximum flooding surface	DEF AT 5
8790 / 8790	POS AT sequence boundary	DEF AT 5
8819 / 8819	POS AT maximum flooding surface	DEF AT 5
8820 / 8820	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
9960 / 9960	POS AT sequence boundary	DEF AT 5
10049 /10049	POS AT maximum flooding surface	DEF AT 5
10050 /10050	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
10080 /10080	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
13560 /13559	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
13770 /13769	POS AT sequence boundary	DEF AT 5
13829 /13828	POS AT maximum flooding surface	DEF AT 5
13830 /13829	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
13890 /13889	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
14010 /14009	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 462	<b>Date of Summary:</b> 12-JUN-2008	<b>First Sample Examined:</b> 5100
<b>Lease Number:</b> G19127	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20670
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20153
<b>API Well Number:</b> 608074028800	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5100 - 20670	<b>Water Depth:</b> 2820
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15450 /15390	DEF AT sequence boundary	DEF AT 5
15509 /15445	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
15510 /15446	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
20580 /20074	DEF AT maximum flooding surface	DEF AT 5
20640 /20127	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
20670 /20153	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 462	Date of Summary: 19-AUG-2008	First Sample Examined: 5160
Lease Number: G19127	Source of Paleo: OPERATOR	Borehole MD: 19654
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19522
API Well Number: 608074029000	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5160 - 19650	Water Depth: 2820
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5160 / 5159	DEF AT first sample examined	DEF AT 5
6089 / 6087	POS AT sequence boundary	DEF AT 5
6090 / 6088	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6149 / 6147	POS AT maximum flooding surface	DEF AT 5
6150 / 6148	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
6180 / 6178	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6450 / 6447	POS AT maximum flooding surface	DEF AT 5
7650 / 7626	POS AT sequence boundary	DEF AT 5
7710 / 7684	POS AT maximum flooding surface	DEF IN 5
8040 / 8006	DEF AT - - - - -	DEF AT 5
8820 / 8766	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
8850 / 8795	POS AT maximum flooding surface	DEF AT 5
9810 / 9731	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
10230 /10140	POS AT sequence boundary	DEF AT 5
10380 /10286	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
13080 /12948	POS AT maximum flooding surface	DEF AT 5
14910 /14778	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
15060 /14928	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
18539 /18407	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
18540 /18408	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
19020 /18888	DEF AT Bathysiphon fauna	DEF AT 5
19650 /19518	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 462	Date of Summary: 20-JUN-2008	First Sample Examined: 18980
Lease Number: G19127	Source of Paleo: OPERATOR	Borehole MD: 23156
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22512
API Well Number: 608074028801	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 18980 - 23156	Water Depth: 2820
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18980 /18668	DEF AT first sample examined	DEF IN 4
18981 /18669	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
20280 /19861	POS AT sequence boundary	DEF IN 4
20309 /19888	POS AT maximum flooding surface	DEF IN 4
20310 /19889	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 4
21480 /20969	POS AT sequence boundary	DEF IN 4
21540 /21024	DEF AT faunal change (no faunal increase)	DEF AT 5
21598 /21077	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
21599 /21078	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
21600 /21079	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
21930 /21383	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
22300 /21724	POS AT sequence boundary	DEF AT 5
22440 /21853	POS AT maximum flooding surface	DEF AT 5
23156 /22512	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 462	Date of Summary: 20-AUG-2008	First Sample Examined: 14790
Lease Number: G19127	Source of Paleo: OPERATOR	Borehole MD: 19896
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19701
API Well Number: 608074029001	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 14790 - 19895	Water Depth: 2820
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14790 /14658	DEF AT first sample examined	DEF AT 5
14908 /14776	POS AT maximum flooding surface	DEF AT 5
14909 /14777	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
14910 /14778	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
16500 /16355	POS AT sequence boundary	DEF AT 5
16530 /16385	POS AT maximum flooding surface	DEF AT 5
16650 /16503	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
16920 /16769	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
18750 /18572	POS AT sequence boundary	DEF AT 5
18779 /18600	POS AT maximum flooding surface	DEF AT 4
18780 /18601	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
19080 /18897	POS AT Bathysiphon fauna	DEF AT 4
19170 /18986	POS AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT 4
19620 /19429	DEF AT Bathysiphon fauna	DEF AT 4
19895 /19700	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 485	Date of Summary: 23-NOV-1999	First Sample Examined: 4270
Lease Number: G17376	Source of Paleo: OPERATOR	Borehole MD: 11223
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11087
API Well Number: 608074065200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4270 - 11223	Water Depth: 2753
Public Info Code: Y 31-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 9050=10% TO 20% anhydrite to 9230, 9920=10% to 30% anhydrite 10220, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4270 / 4270	DEF AT first sample examined	DEF AT
4271 / 4271	DEF AT cement	DEF AT
4690 / 4690	DEF AT -----	DEF AT 4
5270 / 5270	DEF AT -----	DEF AT 5
5420 / 5420	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
5570 / 5570	DEF AT -----	DEF IN 5
5870 / 5870	DEF AT -----	DEF AT 5
6890 / 6879	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6980 / 6964	DEF AT -----	DEF IN 5
7370 / 7311	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
8570 / 8434	DEF AT -----	DEF AT 5
9050 / 8914	DEF AT anhydrite	DEF AT 5
9920 / 9784	DEF AT anhydrite	DEF AT 5
10430 /10294	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
11223 /11087	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 485	Date of Summary: 23-NOV-1999	First Sample Examined: 4270
Lease Number: G17376	Source of Paleo: OPERATOR	Borehole MD: 11223
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11087
API Well Number: 608074065200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4270 - 11223	Water Depth: 2753
Public Info Code: Y 31-JAN-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4270 / 4270	DEF AT first sample examined	DEF AT
5720 / 5720	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6530 / 6529	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7190 / 7155	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8240 / 8110	DEF AT local marker floral increase	DEF AT
10370 /10234	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10580 /10444	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11223 /11087	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 487	<b>Date of Summary:</b> 19-DEC-2002	<b>First Sample Examined:</b> 4690
<b>Lease Number:</b> G23321	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19043
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18624
<b>API Well Number:</b> 608074066600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4690 - 19010	<b>Water Depth:</b> 2753
<b>Public Info Code:</b> Y 22-NOV-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4690 / 4689	DEF AT first sample examined	DEF AT
4691 / 4690	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6250 / 6249	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10400 /10386	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12290 /12115	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12380 /12197	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
17750 /17354	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18500 /18090	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19040 /18621	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 487	<b>Date of Summary:</b> 14-JAN-2003	<b>First Sample Examined:</b> 4690
<b>Lease Number:</b> G23321	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19043
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18624
<b>API Well Number:</b> 608074066600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4690 - 19010	<b>Water Depth:</b> 2753
<b>Public Info Code:</b> Y 22-NOV-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4690 / 4689	DEF AT first sample examined	DEF AT 5
9400 / 9399	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
11510 /11402	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
14690 /14398	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
18500 /18090	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
19010 /18592	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 487	<b>Date of Summary:</b> 19-DEC-2002	<b>First Sample Examined:</b> 9630
<b>Lease Number:</b> G23321	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15700
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13957
<b>API Well Number:</b> 608074066601	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9630 - 15700	<b>Water Depth:</b> 2753
<b>Public Info Code:</b> Y 22-NOV-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9630 / 9629	DEF AT first sample examined	DEF IN 4
10530 /10507	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
14910 /13448	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
15360 /13739	DEF AT out-of-place section	DEF IN 4
15600 /13893	DEF AT anhydrite	DEF AT
15601 /13894	POS AT salt	DEF AT
15700 /13957	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 29-JUL-1999	First Sample Examined: 0
Lease Number: G20792	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10023
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10022
API Well Number: 608074020500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3243
Public Info Code: Y 25-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5390 / 5390	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5750 / 5750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6770 / 6770	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9050 / 9050	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 03-JAN-2002	First Sample Examined: 5410
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 26352
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25447
API Well Number: 608074023400	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 5410 - 26352	Water Depth: 3287
Public Info Code: Y 22-NOV-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5410 / 5410	DEF AT first sample examined	DEF AT
5650 / 5650	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6040 / 6040	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7930 / 7930	DEF AT out-of-place section	DEF AT
9340 / 9340	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11730 /11730	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12480 /12480	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15480 /15480	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16860 /16860	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17850 /17850	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18180 /18179	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
20160 /20156	DEF AT out-of-place section	DEF AT
21540 /21511	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22860 /22627	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
22950 /22697	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
23520 /23154	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
24360 /23822	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
25590 /24823	POS IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
25591 /24824	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
25920 /25094	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
26070 /25217	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26160 /25290	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 515	<b>Date of Summary:</b> 03-JAN-2002	<b>First Sample Examined:</b> 5410
<b>Lease Number:</b> G20792	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26352
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 25447
<b>API Well Number:</b> 608074023400	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5410 - 26352	<b>Water Depth:</b> 3287
<b>Public Info Code:</b> Y 22-NOV-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26190 /25315	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
26250 /25363	POS AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
26352 /25447	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 515	<b>Date of Summary:</b> 04-JAN-2002	<b>First Sample Examined:</b> 5410
<b>Lease Number:</b> G20792	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26352
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 25447
<b>API Well Number:</b> 608074023400	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5410 - 26352	<b>Water Depth:</b> 3287
<b>Public Info Code:</b> Y 22-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5410 / 5410	DEF AT first sample examined	DEF AT 4
5680 / 5680	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6010 / 6010	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6040 / 6040	DEF AT -----	DEF IN 5
6310 / 6310	DEF AT -----	DEF AT 5
6460 / 6460	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6940 / 6940	DEF AT -----	DEF AT 4
8230 / 8230	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
11700 /11700	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12870 /12870	DEF AT -----	DEF AT 4
15480 /15480	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17850 /17850	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17880 /17880	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
21060 /21048	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
21390 /21368	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
23550 /23178	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
24390 /23846	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
24480 /23918	DEF AT -----	DEF AT 6
25110 /24429	DEF AT -----	DEF AT 5
25290 /24576	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
25620 /24848	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
25860 /25045	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 515	<b>Date of Summary:</b> 04-JAN-2002	<b>First Sample Examined:</b> 5410
<b>Lease Number:</b> G20792	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26352
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 25447
<b>API Well Number:</b> 608074023400	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5410 - 26352	<b>Water Depth:</b> 3287
<b>Public Info Code:</b> Y 22-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25920 /25094	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
26070 /25217	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
26160 /25290	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
26250 /25363	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
26352 /25447	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 08-JUL-2002	First Sample Examined: 19110
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 22993
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22103
API Well Number: 608074023401	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 19110 - 22993	Water Depth: 3287
Public Info Code: Y 11-MAY-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19110 /19107	DEF AT first sample examined	DEF AT 5
19111 /19108	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
21150 /20823	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
21990 /21417	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
22470 /21748	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
22993 /22103	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 09-JUL-2002	First Sample Examined: 19110
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 22993
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22103
API Well Number: 608074023401	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 19110 - 22993	Water Depth: 3287
Public Info Code: Y 11-MAY-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19110 /19107	DEF AT first sample examined	DEF AT
19111 /19108	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21240 /20889	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21660 /21187	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
22470 /21748	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
22993 /22103	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 09-JUL-2002	First Sample Examined: 18709
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 26313
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24693
API Well Number: 608074023402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 18709 - 26310	Water Depth: 3287
Public Info Code: Y 17-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18709 /18707	DEF AT first sample examined	DEF AT 5
21120 /20741	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
22410 /21688	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
23159 /22236	DEF AT salt	DEF AT 5
23160 /22237	POS IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
23550 /22521	DEF IN salt	POS AT 5
26130 /24511	DEF AT Oligocene Anahuac Formation/Provincial Stage	DEF AT 4
26310 /24690	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 09-JUL-2002	First Sample Examined: 18709
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 26313
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24693
API Well Number: 608074023402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 18709 - 26310	Water Depth: 3287
Public Info Code: Y 17-JUN-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18709 /18707	DEF AT first sample examined	DEF AT
19500 /19459	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21240 /20831	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21660 /21140	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
22470 /21732	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
23070 /22171	DEF AT salt	DEF AT
23100 /22193	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
23130 /22215	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
23159 /22236	POS AT salt	DEF AT
23160 /22237	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
23250 /22303	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
23340 /22369	DEF AT salt	DEF AT
26130 /24511	DEF AT Oligocene Vicksburg Group/Provincial Stage	DEF AT
26250 /24630	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26280 /24660	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
26310 /24690	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 10-JUL-2002	First Sample Examined: 18350
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 25118
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24136
API Well Number: 608074023403	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 18350 - 25118	Water Depth: 3287
Public Info Code: Y 19-JUL-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18350 /18348	DEF AT first sample examined	DEF AT 5
20030 /19852	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
21380 /20992	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
22040 /21553	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
22100 /21603	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
23000 /22363	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
24080 /23269	DEF AT out-of-place section	DEF AT 5
24110 /23294	DEF AT salt	DEF AT 5
24320 /23465	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
24980 /24018	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
25118 /24136	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 10-JUL-2002	First Sample Examined: 18350
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 25118
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24136
API Well Number: 608074023403	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 18350 - 25118	Water Depth: 3287
Public Info Code: Y 19-JUL-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18350 /18348	DEF AT first sample examined	DEF AT
19160 /19119	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21770 /21325	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22100 /21603	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
23270 /22590	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
23990 /23196	DEF AT out-of-place section	DEF AT
24110 /23294	DEF AT salt	DEF AT
24350 /23489	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
24830 /23891	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
24980 /24018	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
25118 /24136	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 22-SEP-2008	First Sample Examined: 18340
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 23918
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23199
API Well Number: 608074023404	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 69
Paleo Report Num: 1 of 1	Sample Range: 18340 - 23917	Water Depth: 3287
Public Info Code: Y 18-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18340 /18339	DEF AT first sample examined	DEF IN 5
18490 /18488	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
19149 /19129	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
19150 /19130	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
19210 /19187	POS AT sequence boundary	DEF IN 5
19270 /19243	POS AT maximum flooding surface	DEF IN 5
20470 /20270	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF IN 5
21000 /20712	POS AT sequence boundary	DEF IN 5
21028 /20735	POS AT maximum flooding surface	DEF IN 5
21029 /20736	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
21030 /20737	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
21510 /21135	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
21538 /21158	POS AT maximum flooding surface	DEF IN 5
21539 /21159	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
21540 /21159	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
22677 /22122	POS AT maximum flooding surface	DEF IN 5
22678 /22123	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 5
22679 /22124	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
22680 /22125	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
23100 /22482	DEF AT local marker floral increase	DEF IN 5
23520 /22844	POS AT maximum flooding surface	DEF IN 5
23640 /22950	DEF AT out-of-place section	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 515	<b>Date of Summary:</b> 22-SEP-2008	<b>First Sample Examined:</b> 18340
<b>Lease Number:</b> G20792	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23918
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23199
<b>API Well Number:</b> 608074023404	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 69
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18340 - 23917	<b>Water Depth:</b> 3287
<b>Public Info Code:</b> Y 18-NOV-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23730 /23030	DEF AT salt	DEF IN 5
23917 /23198	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 515	Date of Summary: 14-AUG-2008	First Sample Examined: 21720
Lease Number: G20792	Source of Paleo: OPERATOR	Borehole MD: 25620
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24761
API Well Number: 608074023405	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 69
Paleo Report Num: 1 of 1	Sample Range: 21720 - 25620	Water Depth: 3287
Public Info Code: Y 18-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21720 /21308	DEF AT first sample examined	DEF AT 5
21721 /21309	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
21840 /21408	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
22470 /21943	POS AT sequence boundary	DEF AT 5
22500 /21968	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
22529 /21993	POS AT maximum flooding surface	DEF AT 5
22530 /21993	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
22650 /22093	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
22710 /22144	DEF AT unconformity	DEF AT 5
22770 /22194	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
23158 /22529	POS AT maximum flooding surface	DEF AT 5
23159 /22530	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
23160 /22531	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
23790 /23091	DEF IN salt	DEF AT 5
24150 /23411	DEF AT base of salt	DEF AT 5
24990 /24170	POS AT sequence boundary	DEF AT 5
25020 /24198	POS AT maximum flooding surface	DEF AT 5
25620 /24761	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516  
Lease Number: G08252  
Well Name: 001  
API Well Number: 608074014300  
Paleo Report Num: 1 of 3  
Public Info Code: Y 03-JUN-2005

Date of Summary: 07-JUL-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 8282 - 12270  
Ecozone Eq MMS: Y

First Sample Examined: 8282  
Borehole MD: 12261  
Borehole TVD: 12140  
Rkb Elevation: 82  
Water Depth: 3153  
Paleo ID: 003

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8282 / 8170	DEF AT first sample examined	DEF IN 3
8490 / 8377	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
8880 / 8765	DEF AT faunal change (no faunal increase)	DEF AT 3
9090 / 8975	DEF AT local marker foram increase	DEF IN 4
9150 / 9034	DEF AT faunal change (no faunal increase)	DEF IN 3
9180 / 9064	DEF AT faunal change (no faunal increase)	DEF AT 4
9270 / 9154	DEF AT faunal change (no faunal increase)	DEF IN 3
9300 / 9184	DEF AT faunal change (no faunal increase)	DEF AT 4
9360 / 9244	DEF AT faunal change (no faunal increase)	DEF IN 3
9570 / 9453	DEF AT local marker foram increase	DEF AT 4
9660 / 9543	DEF AT faunal change (no faunal increase)	DEF IN 4
10020 / 9902	DEF AT faunal change (no faunal increase)	DEF AT 4
10050 / 9932	DEF AT faunal change (no faunal increase)	DEF AT 3
10170 /10051	DEF AT faunal change (no faunal increase)	DEF AT 4
10230 /10111	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
10650 /10530	DEF AT faunal change (no faunal increase)	DEF AT 3
11430 /11310	DEF AT faunal change (no faunal increase)	DEF IN 3
11640 /11519	DEF AT faunal change (no faunal increase)	DEF AT 4
11730 /11609	DEF AT faunal change (no faunal increase)	DEF IN 3
11850 /11729	DEF AT faunal change (no faunal increase)	DEF AT 4
11880 /11759	DEF AT faunal change (no faunal increase)	DEF IN 3
11910 /11789	DEF AT faunal change (no faunal increase)	DEF IN 4

**This report contains public paleo reports only for the time period stated**



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516  
 Lease Number: G08252  
 Well Name: 001  
 API Well Number: 608074014300  
 Paleo Report Num: 1 of 3  
 Public Info Code: Y 03-JUN-2005

Date of Summary: 07-JUL-1996  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
 Sample Range: 8282 - 12270  
 Ecozone Eq MMS: Y

First Sample Examined: 8282  
 Borehole MD: 12261  
 Borehole TVD: 12140  
 Rkb Elevation: 82  
 Water Depth: 3153  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11940 /11819	DEF AT faunal change (no faunal increase)	DEF IN 3
11970 /11849	DEF AT local marker foram increase	DEF AT 4
12030 /11909	DEF AT faunal change (no faunal increase)	DEF IN 4
12210 /12089	DEF AT faunal change (no faunal increase)	DEF AT 3
12270 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 13-AUG-1996	<b>First Sample Examined:</b> 8280
<b>Lease Number:</b> G08252	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12261
<b>Well Name:</b> 001	<b>Paleo Done By:</b> LAURALEE R. REUGGER	<b>Borehole TVD:</b> 12140
<b>API Well Number:</b> 608074014300	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 8280 - 12261	<b>Water Depth:</b> 3153
<b>Public Info Code:</b> Y 03-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, see company-integrated foram and nanno report for summary

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8168	DEF AT first sample examined	DEF AT
8400 / 8287	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9090 / 8975	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9570 / 9453	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12261 / 12140	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 22-DEC-1998	<b>First Sample Examined:</b> 8280
<b>Lease Number:</b> G08252	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12261
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12140
<b>API Well Number:</b> 608074014300	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 7080 - 12270	<b>Water Depth:</b> 3153
<b>Public Info Code:</b> Y 03-JUN-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8168	DEF AT first sample examined	POS IN 3
8400 / 8287	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 3
8490 / 8377	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
9090 / 8975	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 4
9570 / 9453	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF IN 3
10230 /10111	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 3
11670 /11549	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
12240 /12119	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 01-DEC-2000	First Sample Examined: 8030
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 14463
Well Name: SE002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12587
API Well Number: 608074022400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8030 - 14430	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Serrano Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7810	DEF AT first sample examined	DEF AT 4
9920 / 9214	DEF AT faunal change (no faunal increase)	DEF AT 5
9980 / 9258	DEF AT faunal change (no faunal increase)	DEF AT 4
10760 / 9837	DEF AT gray shale	DEF AT 4
13700 /12013	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
14300 /12463	DEF AT last sample examined	POS AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 01-JAN-2001	First Sample Examined: 8000
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 14463
Well Name: SE002	Paleo Done By: OPERATOR	Borehole TVD: 12587
API Well Number: 608074022400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 8000 - 14463	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Serrano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7810	DEF AT first sample examined	DEF AT
8480 / 8174	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10490 / 9636	DEF AT reworked material	DEF AT
12770 /11322	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13160 /11614	DEF AT reworked material	DEF AT
13220 /11659	DEF AT reworked material	DEF AT
13730 /12035	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14120 /12327	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
14210 /12395	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14430 /12562	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 01-DEC-2000	First Sample Examined: 8450
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 13108
Well Name: SE002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12145
API Well Number: 608074022401	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8450 - 13070	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Serrano Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8450 / 8177	DEF AT first sample examined	POS AT 4
8660 / 8350	DEF AT - - - - -	DEF AT 4
8750 / 8425	DEF AT gray shale	DEF AT 4
8779 / 8449	POS AT reworked material	DEF AT 4
8780 / 8450	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8870 / 8526	DEF AT gray shale	DEF AT 4
9590 / 9136	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9650 / 9187	DEF AT - - - - -	DEF AT 4
10310 / 9753	DEF AT gray shale	DEF AT 5
10340 / 9779	DEF AT - - - - -	DEF AT 4
13100 / 12139	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 01-JAN-2001	First Sample Examined: 8450
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 13108
Well Name: SE002	Paleo Done By: OPERATOR	Borehole TVD: 12145
API Well Number: 608074022401	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 8450 - 13100	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Serrano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8450 / 8177	DEF AT first sample examined	DEF AT
8451 / 8178	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9590 / 9136	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R.	DEF AT
9770 / 9290	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
12230 /11401	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12260 /11427	DEF AT reworked material	DEF AT
12290 /11452	DEF AT reworked material	DEF AT
12530 /11655	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13070 /12113	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 01-MAR-2001	First Sample Examined: 8010
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 12850
Well Name: SE002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12110
API Well Number: 608074022402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8010 - 12840	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 7819	DEF AT first sample examined	POS AT 4
8700 / 8446	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
12560 /11863	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
12840 /12101	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 01-MAR-2001	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G08252	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12850
<b>Well Name:</b> SE002	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 12110
<b>API Well Number:</b> 608074022402	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8010 - 12850	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 03-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 7819	DEF AT first sample examined	DEF AT
8760 / 8503	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12840 /12101	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12850 /12110	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 01-AUG-1999	First Sample Examined: 13520
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 21235
Well Name: SE001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 18818
API Well Number: 608074020900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13520 - 21235	Water Depth: 3380
Public Info Code: Y 14-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13520 /12762	DEF AT first sample examined	DEF AT
15530 /14293	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17570 /15869	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19550 /17436	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21235 /18818	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 15-SEP-1999	<b>First Sample Examined:</b> 13520
<b>Lease Number:</b> G11528	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21235
<b>Well Name:</b> SE001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18818
<b>API Well Number:</b> 608074020900	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13520 - 21230	<b>Water Depth:</b> 3380
<b>Public Info Code:</b> Y 14-SEP-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13520 /12762	DEF AT first sample examined	DEF AT
13521 /12763	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
15440 /14223	DEF AT -----	DEF AT 3
15470 /14247	DEF AT local marker planktic foram increase	DEF AT 4
15500 /14270	DEF AT local marker planktic foram increase	DEF AT 4
15590 /14340	DEF AT -----	DEF AT 5
15680 /14410	DEF AT -----	DEF AT 3
15710 /14434	DEF AT -----	DEF AT 4
15950 /14622	DEF AT -----	DEF AT 3
16130 /14763	DEF AT -----	DEF AT 4
17330 /15682	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS AT 4
17360 /15705	DEF AT -----	DEF AT 4
19910 /17727	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20150 /17921	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21235 /18818	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 01-SEP-1999	<b>First Sample Examined:</b> 18000
<b>Lease Number:</b> G11528	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21920
<b>Well Name:</b> SE001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19184
<b>API Well Number:</b> 608074020901	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18000 - 21900	<b>Water Depth:</b> 3380
<b>Public Info Code:</b> Y 20-SEP-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
18000 /16207	DEF AT first sample examined	DEF	AT
19680 /17390	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	AT
19740 /17432	DEF AT faunal change (no faunal increase)	DEF	AT 4
21690 /18989	DEF AT local marker planktic foram increase	DEF	AT 4
21810 /19091	DEF AT gray shale	DEF	AT 4
21900 /19167	DEF AT last sample examined	DEF	AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 01-SEP-1999	<b>First Sample Examined:</b> 18000
<b>Lease Number:</b> G11528	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21920
<b>Well Name:</b> SE001	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 19184
<b>API Well Number:</b> 608074020901	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18000 - 21918	<b>Water Depth:</b> 3380
<b>Public Info Code:</b> Y 20-SEP-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18000 /16207	DEF AT first sample examined	DEF AT
19080 /16975	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19710 /17411	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
21690 /18989	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21918 /19182	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 06-JAN-2001	First Sample Examined: 18990
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 25823
Well Name: SE001	Paleo Done By: OPERATOR	Borehole TVD: 20983
API Well Number: 608074020902	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 18990 - 25823	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Serrano Prospect done by Ragan Biostrat, 19530=at or below Globorotalia hirsuta, 20010=faunal increase at lower Globorotalia hirsuta, 21990=faunal increase with Globorotalia crassiformis coiling change from left to right, 22020=Globorotalia triangula (consistent), 25590=Globorotalia extremus, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18990 /16907	DEF AT first sample examined	DEF IN 3
19140 /17026	DEF AT faunal change (no faunal increase)	DEF AT 2
19290 /17147	DEF AT faunal change (no faunal increase)	DEF AT 4
19500 /17319	DEF AT faunal change (no faunal increase)	DEF AT 5
19530 /17344	DEF IN local marker planktic foram increase	DEF AT 5
19620 /17419	DEF AT local marker foram increase	DEF AT 5
19740 /17521	DEF AT faunal change (no faunal increase)	DEF AT 4
19920 /17672	DEF AT faunal change (no faunal increase)	DEF AT 5
19950 /17696	DEF AT local marker foram increase	DEF AT 5
20010 /17744	DEF AT local marker planktic foram increase	DEF AT 5
20520 /18122	DEF AT faunal change (no faunal increase)	DEF IN 3
20770 /18300	DEF AT local marker foram increase	DEF AT 4
20830 /18343	DEF AT faunal change (no faunal increase)	DEF AT 5
20980 /18451	DEF AT faunal change (no faunal increase)	DEF AT 4
21060 /18508	DEF AT faunal change (no faunal increase)	DEF IN 3
21210 /18616	DEF AT faunal change (no faunal increase)	DEF AT 4
21270 /18659	DEF AT out-of-place section	DEF AT 5
21300 /18680	DEF AT local marker foram increase	DEF AT 5
21390 /18745	DEF AT faunal change (no faunal increase)	DEF AT 4
21480 /18809	DEF AT local marker foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 06-JAN-2001	First Sample Examined: 18990
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 25823
Well Name: SE001	Paleo Done By: OPERATOR	Borehole TVD: 20983
API Well Number: 608074020902	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 18990 - 25823	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21570 /18873	DEF AT faunal change (no faunal increase)	DEF AT 5
21690 /18957	DEF AT faunal change (no faunal increase)	DEF AT 4
21930 /19128	DEF AT faunal change (no faunal increase)	DEF AT 5
21990 /19170	DEF AT local marker planktic foram increase	DEF AT 5
22020 /19191	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
22110 /19251	DEF AT local marker foram increase	DEF AT 5
22290 /19357	DEF AT faunal change (no faunal increase)	DEF AT 4
22500 /19459	DEF AT faunal change (no faunal increase)	DEF AT 5
22680 /19542	DEF AT local marker foram increase	DEF AT 5
23130 /19746	DEF AT faunal change (no faunal increase)	DEF AT 3
23250 /19798	DEF AT faunal change (no faunal increase)	DEF IN 3
23280 /19811	DEF AT faunal change (no faunal increase)	DEF AT 4
23730 /20009	DEF AT faunal change (no faunal increase)	DEF AT 5
23760 /20022	DEF AT faunal change (no faunal increase)	DEF AT 4
24540 /20373	DEF AT faunal change (no faunal increase)	DEF AT 5
24660 /20428	DEF AT faunal change (no faunal increase)	DEF AT 4
25170 /20666	DEF AT local marker foram increase	DEF AT 4
25200 /20681	DEF AT faunal change (no faunal increase)	DEF AT 5
25230 /20695	DEF AT local marker foram increase	DEF AT 5
25380 /20767	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
25381 /20767	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
25410 /20781	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
25470 /20810	DEF AT local marker foram increase	DEF AT 5
25530 /20839	DEF AT local marker foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 06-JAN-2001	<b>First Sample Examined:</b> 18990
<b>Lease Number:</b> G11528	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25823
<b>Well Name:</b> SE001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 20983
<b>API Well Number:</b> 608074020902	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18990 - 25823	<b>Water Depth:</b> 3380
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25590 /20868	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
25740 /20943	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
25823 /20984	DEF AT last sample examined	DEF AT 5



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 17-JAN-2001	First Sample Examined: 18990
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 25823
Well Name: SE001	Paleo Done By: OPERATOR	Borehole TVD: 20983
API Well Number: 608074020902	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 18990 - 25823	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Serrano Prospect, calcareous nannofossil report done by Morin Biostratigraphic Services, 25590=R haqii increase, 25680=Discoaster cf surculus, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18990 /16907	DEF AT first sample examined	DEF AT
19470 /17294	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19920 /17672	DEF AT local marker floral increase	DEF AT
20010 /17744	DEF AT reworked material	DEF AT
20770 /18300	DEF AT local marker floral increase	DEF AT
20771 /18301	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20920 /18408	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21960 /19149	DEF AT local marker floral increase	DEF AT
22140 /19270	DEF AT local marker floral increase	DEF AT
22530 /19473	DEF AT local marker floral increase	DEF AT
22710 /19556	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
25140 /20652	DEF AT local marker floral increase	DEF AT
25350 /20752	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
25590 /20868	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
25680 /20913	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
25770 /20957	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
25823 /20984	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 01-JAN-2001	<b>First Sample Examined:</b> 20550
<b>Lease Number:</b> G11528	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24979
<b>Well Name:</b> SE001	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 20961
<b>API Well Number:</b> 608074020903	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20550 - 24979	<b>Water Depth:</b> 3380
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20730 /18291	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
23490 /20076	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
24000 /20370	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 01-FEB-2001	First Sample Examined: 20550
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 24979
Well Name: SE001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20961
API Well Number: 608074020903	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 20550 - 24960	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20550 /18150	DEF AT -----	DEF AT 0
21330 /18760	DEF AT sand	DEF AT
21420 /18825	DEF AT faunal change (no faunal increase)	DEF AT
21450 /18846	DEF AT gray shale	DEF AT
21480 /18867	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
21540 /18909	DEF AT -----	DEF AT 4
21570 /18930	DEF AT -----	DEF AT 0
21840 /19105	DEF AT faunal change (no faunal increase)	DEF AT 4
21930 /19159	DEF AT -----	DEF AT 0
22080 /19248	DEF AT -----	DEF AT 4
22110 /19265	DEF AT -----	DEF AT 0
22140 /19282	DEF AT -----	DEF AT 4
22170 /19300	DEF AT -----	DEF AT 0
22320 /19387	DEF AT sand	DEF AT
22380 /19422	DEF AT -----	DEF AT 4
22410 /19439	DEF AT -----	DEF AT 0
22440 /19457	DEF AT -----	DEF AT 4
22470 /19474	DEF AT -----	DEF AT 0
22950 /19760	DEF AT sand	DEF AT
23550 /20111	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
23610 /20147	DEF AT -----	DEF AT 4
23640 /20164	DEF AT -----	DEF AT 0

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516  
Lease Number: G11528  
Well Name: SE001  
API Well Number: 608074020903  
Paleo Report Num: 2 of 2  
Public Info Code: Y 19-SEP-2010

Date of Summary: 01-FEB-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 20550 - 24960  
Ecozone Eq MMS: Y

First Sample Examined: 20550  
Borehole MD: 24979  
Borehole TVD: 20961  
Rkb Elevation: 85  
Water Depth: 3380  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23670 /20182	DEF AT -----	DEF AT 4
23700 /20199	DEF AT -----	DEF AT 0
24000 /20370	DEF AT -----	DEF AT 4
24060 /20405	DEF AT -----	DEF AT 0
24090 /20423	DEF AT -----	DEF AT 4
24180 /20475	DEF AT sand	DEF AT 4
24210 /20493	DEF AT -----	DEF AT 0
24240 /20511	DEF AT -----	DEF AT 4
24270 /20529	DEF AT -----	DEF AT 0
24630 /20746	DEF AT -----	DEF AT 4
24660 /20764	DEF AT -----	DEF AT 0
24690 /20783	DEF AT -----	DEF AT 4
24720 /20801	DEF AT -----	DEF AT 0

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 20-NOV-2002	First Sample Examined: 19980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 22708
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 18804
API Well Number: 608074024300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 19980 - 22710	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report done by Morin Biostratigraphic Studies, 22710=above Upper Miocene Discoaster brouweri consistent, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19980 /16833	DEF AT first sample examined	DEF AT
20130 /16944	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20610 /17305	DEF AT local marker floral increase	DEF AT
20670 /17350	DEF AT local marker floral increase	DEF AT
21059 /17644	POS AT reworked material	DEF AT
21060 /17645	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21840 /18214	DEF AT local marker floral increase	DEF AT
21990 /18316	DEF AT local marker floral increase	DEF AT
22020 /18336	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
22500 /18662	DEF AT local marker floral increase	DEF AT
22710 /	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 21-NOV-2002	<b>First Sample Examined:</b> 19980
<b>Lease Number:</b> G11528	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22708
<b>Well Name:</b> SE003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18804
<b>API Well Number:</b> 608074024300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19980 - 22708	<b>Water Depth:</b> 3394
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Paleo done by Ragan Biostrat, 20130=faunal increase with Globorotalia hirsuta variety, 22470=faunal increase with Globorotalia crassaformis (dextral), foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19980 /16833	DEF AT first sample examined	DEF AT
20100 /16922	DEF AT - - - - -	DEF AT 4
20130 /16944	DEF AT local marker planktic foram increase	DEF AT 5
20220 /17011	DEF AT - - - - -	DEF AT 4
20610 /17305	DEF AT local marker foram increase	DEF AT 5
20670 /17350	DEF AT local marker foram increase	DEF AT 5
20880 /17509	DEF AT local marker foram increase	DEF AT 5
21030 /17623	DEF AT local marker foram increase	DEF AT 5
21180 /17736	DEF AT - - - - -	DEF AT 4
21420 /17917	POS AT local marker foram increase	DEF AT 5
21450 /17939	DEF AT - - - - -	DEF AT 3
21600 /18048	DEF AT - - - - -	DEF AT 5
21630 /18070	POS AT local marker foram increase	DEF AT 4
21900 /18254	DEF AT local marker foram increase	DEF AT 4
22170 /18438	DEF AT local marker foram increase	DEF AT 4
22200 /18458	DEF AT - - - - -	DEF AT 5
22470 /18642	DEF AT local marker planktic foram increase	DEF AT 5
22708 /18804	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 07-DEC-2002	First Sample Examined: 20000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 28658
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 22050
API Well Number: 608074024301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 20000 - 28658	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report done by Morin Biostratigraphic Studies, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20000 /17089	DEF AT first sample examined	DEF AT
20001 /17090	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20180 /17231	DEF AT local marker floral increase	DEF AT
20990 /17868	DEF AT local marker floral increase	DEF AT
21440 /18198	DEF AT local marker floral increase	DEF AT
21530 /18264	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
22190 /18683	DEF AT local marker floral increase	DEF AT
23450 /19217	DEF AT local marker floral increase	DEF AT
24200 /19541	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
24980 /19881	DEF AT local marker floral increase	DEF AT
26630 /20645	DEF AT local marker floral increase	DEF AT
26660 /20660	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
26840 /20756	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
27230 /20996	DEF AT local marker floral increase	DEF AT
27500 /21185	DEF AT local marker floral increase	DEF AT
28100 /21612	DEF AT local marker floral increase	DEF AT
28280 /21752	DEF AT local marker floral increase	DEF AT
28580 /21989	DEF AT local marker floral increase	DEF AT
28658 /22051	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 06-JAN-2003	First Sample Examined: 20000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 28658
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 22050
API Well Number: 608074024301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20000 - 28658	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Serrano Prospect, 20001=probably below Globorotalia hirsuta variety, 21290=out of place Oligocene fauna, 21980=Globorotalia crassiformis coiling change left to right, 22040=consistent Globorotalia triangula, 28658=still above Upper Pliocene Globoquadrina altispira, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20000 /17089	DEF AT first sample examined	DEF AT 5
20001 /17090	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
20270 /17302	DEF AT local marker foram increase	DEF AT 5
20360 /17374	DEF AT -----	DEF IN 3
20420 /17422	DEF AT -----	DEF AT 4
20510 /17493	DEF AT -----	DEF AT 5
20600 /17565	DEF AT -----	DEF AT 0
20660 /17613	DEF AT -----	DEF AT 4
20690 /17636	DEF AT -----	DEF AT 3
20870 /17776	DEF AT -----	DEF IN 3
20900 /17799	DEF AT -----	DEF AT 3
20930 /17822	DEF AT -----	DEF AT 0
20990 /17868	DEF AT -----	DEF IN 3
21080 /17935	DEF AT -----	DEF AT 4
21170 /18002	DEF AT -----	DEF AT 5
21230 /18046	DEF AT local marker foram increase	DEF AT 5
21290 /18090	DEF AT out-of-place section	DEF AT 5
21500 /18242	DEF AT local marker foram increase	DEF AT 5
21980 /18565	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
22040 /18601	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 06-JAN-2003	First Sample Examined: 20000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 28658
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 22050
API Well Number: 608074024301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20000 - 28658	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22190 /18683	DEF AT local marker foram increase	DEF AT 5
22460 /18814	DEF AT local marker foram increase	DEF AT 5
22970 /19019	DEF AT -----	DEF AT 4
23120 /19081	DEF AT -----	DEF AT 5
23180 /19106	DEF AT local marker foram increase	DEF AT 5
23330 /19168	DEF AT local marker foram increase	DEF AT 5
23450 /19217	DEF AT -----	DEF AT 4
23510 /19242	DEF AT local marker foram increase	DEF AT 4
23600 /19280	DEF AT -----	DEF AT 5
24410 /19634	DEF AT local marker foram increase	DEF AT 5
24590 /19711	DEF AT -----	DEF AT 4
24740 /19777	DEF AT -----	DEF AT 5
24950 /19868	DEF AT local marker foram increase	DEF AT 5
25010 /19894	DEF AT local marker foram increase	DEF AT 5
25340 /20039	DEF AT -----	DEF AT 4
25520 /20118	DEF AT -----	DEF AT 5
25850 /20269	DEF AT -----	DEF AT 4
26060 /20371	DEF AT local marker foram increase	DEF AT 4
26090 /20386	DEF AT -----	DEF AT 5
26630 /20645	DEF AT local marker foram increase	DEF AT 5
26690 /20675	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
26840 /20756	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
27560 /21227	DEF AT local marker foram increase	DEF AT 5
28040 /21568	DEF AT local marker foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 06-JAN-2003	First Sample Examined: 20000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 28658
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 22050
API Well Number: 608074024301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20000 - 28658	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28658 /22051	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 07-FEB-2003	First Sample Examined: 21980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 29171
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 21360
API Well Number: 608074024302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 21980 - 29171	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Serrano Prospect, calcareous nannofossil report done by Morin Biostratigraphic Services, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21980 /18569	DEF AT first sample examined	DEF AT
22100 /18652	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
22910 /19168	DEF AT local marker floral increase	DEF AT
24140 /19890	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
24290 /19970	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
24350 /20002	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
24800 /20246	DEF AT local marker floral increase	DEF AT
25640 /20628	DEF AT local marker floral increase	DEF AT
26120 /20827	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
27140 /21242	DEF AT local marker floral increase	DEF AT
27500 /21348	DEF AT local marker floral increase	DEF AT
28280 /21476	DEF AT local marker floral increase	DEF AT
28670 /21463	DEF AT local marker floral increase	DEF AT
29171 /21360	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 09-FEB-2003	<b>First Sample Examined:</b> 21980
<b>Lease Number:</b> G11528	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29171
<b>Well Name:</b> SE003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21360
<b>API Well Number:</b> 608074024302	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 21980 - 29171	<b>Water Depth:</b> 3394
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Serrano Prospect, paleo done by Ragan Biostrat, 21980=below Lower Pleistocene Globorotalia crassiformis coiling change left to right, 22010=in Lower Pleistocene Globorotalia triangula, 26120,26260=rare Lower Pleistocene Globorotalia limbata, 28580=Lower Pleistocene Globorotalia punctulata, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21980 /18569	DEF AT first sample examined	DEF AT 5
21981 /18570	DEF IN Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
22010 /18590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
22070 /18631	DEF AT local marker foram increase	DEF AT 5
22250 /18751	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23270 /19397	DEF AT -----	DEF AT 4
23510 /19548	DEF AT -----	POS AT 4
23600 /19600	DEF AT -----	DEF AT 3
23750 /19682	DEF AT -----	DEF AT 4
23780 /19698	DEF AT local marker foram increase	DEF AT 4
23870 /19746	DEF AT -----	DEF AT 5
23900 /19762	DEF AT -----	DEF AT 4
24050 /19843	DEF AT -----	DEF AT 5
24080 /19858	DEF AT local marker foram increase	DEF AT 5
24140 /19890	DEF AT local marker foram increase	DEF AT 5
24290 /19970	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
24320 /19986	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
24770 /20230	DEF AT local marker foram increase	DEF AT 5
24890 /20295	DEF AT local marker foram increase	DEF AT 5
24980 /20342	DEF AT local marker foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 516	Date of Summary: 09-FEB-2003	First Sample Examined: 21980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 29171
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 21360
API Well Number: 608074024302	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 21980 - 29171	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25430 /20541	DEF AT local marker foram increase	DEF AT 5
25550 /20590	DEF AT local marker foram increase	DEF AT 5
25910 /20741	DEF AT local marker foram increase	DEF AT 5
26119 /20827	POS AT reworked material	DEF AT 5
26120 /20827	POS AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
26210 /20863	DEF AT -----	DEF AT 4
26450 /20963	DEF AT -----	DEF AT 5
26510 /20988	DEF AT local marker foram increase	DEF AT 5
26600 /21026	DEF AT local marker foram increase	DEF AT 5
26750 /21087	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
26810 /21112	DEF AT local marker foram increase	DEF AT 5
26900 /21149	DEF AT local marker foram increase	DEF AT 5
27140 /21242	DEF AT -----	DEF AT 4
27320 /21300	DEF AT -----	DEF AT 5
27470 /21341	DEF AT -----	DEF AT 4
27620 /21375	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
27740 /21403	DEF AT local marker foram increase	DEF AT 5
28040 /21455	DEF AT -----	DEF AT 4
28580 /21472	DEF AT local marker planktic foram increase	DEF AT 5
28970 /21408	DEF AT local marker foram increase	DEF AT 5
29171 /21360	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 516	<b>Date of Summary:</b> 21-JAN-2003	<b>First Sample Examined:</b> 27980
<b>Lease Number:</b> G11528	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29547
<b>Well Name:</b> SE003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 21882
<b>API Well Number:</b> 608074024303	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 27980 - 29547	<b>Water Depth:</b> 3394
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Serrano Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27980 /21133	DEF AT first sample examined	DEF AT 4
28130 /21165	DEF AT -----	DEF AT 5
28160 /21172	DEF AT -----	DEF AT 4
28460 /21257	DEF AT -----	DEF AT 5
28490 /21267	DEF AT -----	DEF AT 4
28520 /21278	DEF AT -----	DEF AT 5
28550 /21289	DEF AT -----	DEF AT 4
29180 /21624	DEF AT -----	DEF AT 5
29210 /21644	DEF AT -----	DEF AT 4
29360 /21748	DEF AT -----	DEF AT 5
29390 /21769	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
29480 /21834	DEF AT faunal change (no faunal increase)	DEF AT 4
29540 /21877	DEF AT local marker foram increase	DEF AT 4
29547 /21882	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 537	Date of Summary: 21-FEB-1997	First Sample Examined: 3170
Lease Number: G15911	Source of Paleo: OPERATOR	Borehole MD: 9207
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9206
API Well Number: 608074063100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 3170 - 9200	Water Depth: 1840
Public Info Code: Y 31-DEC-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Raven Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3170 / 3170	DEF AT first sample examined	DEF IN 2
3499 / 3499	POS AT reworked material	DEF IN 2
3500 / 3500	DEF AT Eggerella sp. (local marker)	DEF IN 2
3680 / 3680	DEF AT - - - - -	DEF IN 3
3710 / 3710	DEF AT local marker benthic foram increase	DEF IN 3
3770 / 3770	DEF AT local marker planktic foram increase	DEF AT 4
3800 / 3800	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
3860 / 3860	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4070 / 4070	DEF AT - - - - -	DEF IN 4
4190 / 4190	DEF AT foram flood	DEF AT 5
4280 / 4280	DEF AT local marker benthic foram increase	DEF IN 4
4550 / 4550	DEF AT - - - - -	DEF AT 4
5000 / 5000	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 4
5060 / 5060	DEF AT - - - - -	DEF AT 5
5270 / 5270	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF IN 4
5839 / 5839	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
5840 / 5840	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
5930 / 5930	DEF AT - - - - -	DEF IN 4
5990 / 5990	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
6020 / 6020	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
6080 / 6080	DEF AT - - - - -	DEF IN 4
6290 / 6290	DEF AT - - - - -	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 537	Date of Summary: 21-FEB-1997	First Sample Examined: 3170
Lease Number: G15911	Source of Paleo: OPERATOR	Borehole MD: 9207
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9206
API Well Number: 608074063100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 3170 - 9200	Water Depth: 1840
Public Info Code: Y 31-DEC-2003	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6470 / 6470	DEF AT foram flood	DEF IN 4
6680 / 6680	DEF AT -----	DEF AT 4
6800 / 6800	DEF AT -----	DEF IN 4
6830 / 6830	DEF AT -----	DEF IN 3
7280 / 7280	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
7310 / 7310	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
7730 / 7730	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 3
7820 / 7820	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 3
7909 / 7909	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
7910 / 7910	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 3
8630 / 8630	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
8840 / 8840	DEF AT foram flood	DEF AT 5
8960 / 8960	DEF AT -----	DEF IN 4
9078 / 9078	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF IN 4
9079 / 9078	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF IN 4
9080 / 9079	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
9200 / 9199	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 537	Date of Summary: 21-FEB-1997	First Sample Examined: 3170
Lease Number: G15911	Source of Paleo: OPERATOR	Borehole MD: 9207
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9206
API Well Number: 608074063100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 3170 - 9200	Water Depth: 1840
Public Info Code: Y 31-DEC-2003	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Raven Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3170 / 3170	DEF AT first sample examined	DEF AT
3770 / 3770	DEF AT local marker floral increase	DEF AT
4010 / 4010	DEF AT reworked material	DEF AT
4370 / 4370	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4910 / 4910	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4970 / 4970	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5870 / 5870	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6140 / 6140	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6440 / 6440	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7520 / 7520	DEF AT local marker floral increase	DEF AT
7940 / 7940	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
9140 / 9139	DEF AT gouge	DEF AT
9200 / 9199	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 559	Date of Summary: 01-APR-1999	First Sample Examined: 14010
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: OR001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 19385
API Well Number: 608074019900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 14010 - 19470	Water Depth: 3400
Public Info Code: Y 26-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 /13965	DEF AT first sample examined	DEF AT
14011 /13966	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15390 /15328	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15960 /15891	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16350 /16275	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16470 /16394	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16529 /16452	POS AT reworked material	DEF AT
16530 /16453	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16890 /16808	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17880 /17785	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
18300 /18199	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18570 /18466	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18660 /18555	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19470 /19355	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 559	Date of Summary: 21-APR-1999	First Sample Examined: 13980
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: OR001	Paleo Done By: OPERATOR	Borehole TVD: 19385
API Well Number: 608074019900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13980 - 19500	Water Depth: 3400
Public Info Code: Y 26-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13980 /13936	DEF AT first sample examined	DEF AT
14250 /14202	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
14310 /14262	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
14400 /14351	DEF AT local marker foram decrease	DEF IN 4
15389 /15327	POS AT reworked material	DEF IN 4
15390 /15328	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
16350 /16275	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
16890 /16808	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
17880 /17785	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF IN 4
18240 /18140	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
18270 /18169	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 4
18600 /18495	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
18690 /18584	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
19500 /19385	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-SEP-2000	<b>First Sample Examined:</b> 13890
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19500
<b>Well Name:</b> OR001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18455
<b>API Well Number:</b> 608074019901	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13890 - 19490	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 01-OCT-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
13890 /13847	DEF AT first sample examined	DEF	AT
14490 /14439	DEF AT sand	DEF	AT
14820 /14758	DEF AT gray shale	DEF	AT
16290 /15959	DEF AT - - - - -	DEF	AT 4
16650 /16238	DEF AT faunal change (no faunal increase)	DEF	AT 4
18450 /17632	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT 4
18929 /18004	DEF AT Arenaceous fauna (local marker)	POS	AT 4
18930 /18005	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	POS	AT 4
18990 /18052	DEF AT - - - - -	DEF	AT 4
19490 /18448	DEF AT last sample examined	DEF	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-OCT-2000	<b>First Sample Examined:</b> 13980
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19500
<b>Well Name:</b> OR001	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 18455
<b>API Well Number:</b> 608074019901	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13980 - 19500	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 01-OCT-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13980 /13936	DEF AT first sample examined	DEF AT
14280 /14232	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
16230 /15913	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17880 /17195	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
18270 /17493	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18540 /17702	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
19200 /18217	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19500 /18456	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 559  
Lease Number: G11546  
Well Name: OR002  
API Well Number: 608074022100  
Paleo Report Num: 1 of 2  
Public Info Code: Y 01-NOV-2010

Date of Summary: 01-OCT-2000  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 14140 - 19680  
Ecozone Eq MMS: Y

First Sample Examined: 14140  
Borehole MD: 19710  
Borehole TVD: 19266  
Rkb Elevation: 84  
Water Depth: 3400  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14140 /14041	DEF AT first sample examined	DEF AT 4
14170 /14070	DEF AT -----	DEF AT 0
14290 /14183	DEF AT -----	DEF AT 4
14350 /14240	DEF AT -----	DEF AT 5
14380 /14269	DEF AT -----	DEF AT 4
14440 /14325	DEF AT -----	DEF AT 0
14500 /14382	POS AT reworked material	DEF AT
14530 /14411	DEF AT sand	DEF AT
15100 /14945	DEF AT gray shale	DEF AT
15610 /15420	DEF AT sand	DEF AT
15970 /15756	DEF AT sand	DEF AT
16090 /15867	DEF AT -----	DEF AT 4
16120 /15895	DEF AT -----	DEF AT 0
16240 /16007	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
16300 /16064	DEF AT poor sample interval top	DEF AT
16330 /16092	DEF AT -----	DEF AT 4
16360 /16120	DEF AT -----	DEF AT 0
16570 /16317	DEF AT local marker foram decrease	DEF AT
16600 /16345	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
16630 /16373	DEF AT -----	DEF AT 0
16900 /16625	DEF AT sand	DEF AT
17350 /17050	DEF AT -----	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-OCT-2000	<b>First Sample Examined:</b> 14140
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19710
<b>Well Name:</b> OR002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19266
<b>API Well Number:</b> 608074022100	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14140 - 19680	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 01-NOV-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17380 /17078	DEF AT -----	DEF AT 0
17500 /17191	DEF AT gray shale	DEF AT
18100 /17753	DEF AT -----	DEF AT 4
18160 /17810	DEF AT -----	DEF AT 0
18250 /17894	DEF AT sand	DEF AT
18430 /18062	DEF AT faunal change (no faunal increase)	DEF AT 4
18580 /18202	DEF AT -----	DEF AT 0
18610 /18230	DEF AT -----	DEF AT 4
18700 /18315	DEF AT -----	DEF AT 0
18730 /18344	DEF AT local marker foram decrease	DEF AT
18790 /18401	DEF AT -----	DEF AT 4
18820 /18429	DEF AT -----	DEF AT 0
18940 /18543	DEF AT gray shale	DEF AT
19270 /18855	DEF AT sand	DEF AT
19680 /19240	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-NOV-2000	<b>First Sample Examined:</b> 14260
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19710
<b>Well Name:</b> OR002	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 19266
<b>API Well Number:</b> 608074022100	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14260 - 19710	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 01-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14260 /14155	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
15310 /15141	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16180 /15951	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16510 /16261	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18100 /17753	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18460 /18090	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-OCT-2000	<b>First Sample Examined:</b> 17800
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19687
<b>Well Name:</b> OR002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19276
<b>API Well Number:</b> 608074022101	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17800 - 19660	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 07-NOV-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17800 /17472	DEF AT first sample examined	DEF AT
18520 /18157	DEF AT faunal change (no faunal increase)	DEF AT 4
18550 /18186	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
18610 /18243	DEF AT -----	DEF AT 0
18640 /18272	DEF AT -----	DEF AT 4
18670 /18301	DEF AT -----	DEF AT 0
18700 /18329	DEF AT sand	DEF AT
19210 /18818	DEF AT sand	DEF AT
19360 /18962	DEF AT gray shale	DEF AT
19660 /19250	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 559	Date of Summary: 01-DEC-2000	First Sample Examined: 17800
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19687
Well Name: OR002	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 19276
API Well Number: 608074022101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 17800 - 19687	Water Depth: 3400
Public Info Code: Y 07-NOV-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17890 /17556	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18700 /18329	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-NOV-2000	<b>First Sample Examined:</b> 17790
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19580
<b>Well Name:</b> OR002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19245
<b>API Well Number:</b> 608074022102	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17790 - 19560	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 23-NOV-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17790 /17536	DEF AT first sample examined	DEF AT
17880 /17622	DEF AT -----	DEF AT 4
17910 /17650	DEF AT -----	DEF AT 0
18030 /17765	DEF AT sand	DEF AT
18390 /18109	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
18420 /18138	DEF AT -----	DEF AT 4
18600 /18311	DEF AT -----	DEF AT 0
18660 /18368	DEF AT -----	DEF AT 4
18690 /18397	DEF AT -----	DEF AT 0
18720 /18426	DEF AT -----	DEF AT 4
18750 /18454	DEF AT -----	DEF AT 0
19050 /18743	DEF AT -----	DEF AT 4
19080 /18772	DEF AT -----	DEF AT 0
19560 /19235	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-DEC-2000	<b>First Sample Examined:</b> 17790
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19580
<b>Well Name:</b> OR002	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 19245
<b>API Well Number:</b> 608074022102	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17790 - 19580	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 23-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17790 /17536	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18390 /18109	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18570 /18282	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-NOV-2000	<b>First Sample Examined:</b> 17800
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19670
<b>Well Name:</b> OR002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19435
<b>API Well Number:</b> 608074022103	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17800 - 19680	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 28-NOV-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17800 /17571	DEF AT first sample examined	POS AT 4
17890 /17660	DEF AT faunal change (no faunal increase)	DEF AT 4
18430 /18196	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
19320 /19085	DEF AT gray shale	DEF AT 4
19680 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-DEC-2000	<b>First Sample Examined:</b> 17800
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19670
<b>Well Name:</b> OR002	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 19435
<b>API Well Number:</b> 608074022103	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17800 - 19670	<b>Water Depth:</b> 3400
<b>Public Info Code:</b> Y 28-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18010 /17779	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18640 /18406	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 559	Date of Summary: 31-JUL-2002	First Sample Examined: 18000
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 24440
Well Name: OR003	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 20919
API Well Number: 608074023900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 18000 - 24440	Water Depth: 3393
Public Info Code: Y 04-AUG-2012	Ecozone Eq MMS:	Paleo ID: 001

Remark: Oregano Prospect, calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18000 /17442	DEF AT first sample examined	DEF AT
18210 /17611	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18510 /17835	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18600 /17898	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
20220 /18713	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
20940 /19003	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21150 /19089	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
21270 /19139	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
21360 /19176	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
24440 /20921	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 01-AUG-2002	<b>First Sample Examined:</b> 18000
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24440
<b>Well Name:</b> OR003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 20919
<b>API Well Number:</b> 608074023900	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 18000 - 24420	<b>Water Depth:</b> 3393
<b>Public Info Code:</b> Y 04-AUG-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Oregano Prospect, original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18000 /17442	DEF AT first sample examined	DEF AT 4
18420 /17770	DEF AT local marker planktic foram increase	DEF AT 4
18480 /17814	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
19140 /18229	DEF AT pyrite	DEF AT 4
20440 /18803	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20640 /18883	DEF AT gray shale	DEF AT 4
20850 /18966	DEF AT sand	DEF AT 4
21120 /19077	DEF AT local marker foram increase	DEF AT 4
23340 /20116	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
23740 /20394	DEF AT sand	DEF AT 4
23777 /20422	DEF AT gray shale	DEF AT 4
23910 /20522	DEF AT gray shale	DEF AT 4
23970 /20567	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
24210 /20748	DEF AT local marker foram decrease	DEF AT 4
24419 /20906	DEF AT local marker foram increase	DEF AT 4
24420 /20906	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 559	<b>Date of Summary:</b> 16-AUG-2002	<b>First Sample Examined:</b> 21420
<b>Lease Number:</b> G11546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24440
<b>Well Name:</b> OR003	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 20919
<b>API Well Number:</b> 608074023900	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 21420 - 23688	<b>Water Depth:</b> 3393
<b>Public Info Code:</b> Y 04-AUG-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Oregano Prospect, calcareous nannofossil report for bypass

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21420 /19200	DEF AT first sample examined	DEF AT
21990 /19439	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
22140 /19502	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23688 /20356	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 559	Date of Summary: 01-AUG-2002	First Sample Examined: 21420
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 23689
Well Name: OR003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20629
API Well Number: 608074023901	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 21420 - 23688	Water Depth: 3393
Public Info Code: Y 01-SEP-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Oregano Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21420 /19461	DEF AT first sample examined	DEF AT
21510 /19507	DEF AT - - - - -	DEF AT 4
21870 /19681	DEF AT sand	DEF AT
21960 /19722	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
21990 /19736	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
22080 /19779	DEF AT local marker foram increase	DEF AT 4
22170 /19822	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
22500 /19986	DEF AT sand	DEF AT 4
22680 /20079	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22740 /20110	DEF AT local marker foram increase	DEF AT 4
22770 /20126	DEF AT sand	DEF AT 4
22800 /20142	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22890 /20193	DEF AT sand	DEF AT 4
23010 /20264	DEF AT sand	DEF AT 4
23370 /20465	DEF AT local marker foram increase	DEF AT 4
23520 /20542	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23550 /20557	DEF AT gray shale	DEF AT 4
23640 /20604	DEF AT - - - - -	DEF IN 4
23688 /20628	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 561	Date of Summary: 01-NOV-2006	First Sample Examined: 5500
Lease Number: G15914	Source of Paleo: OPERATOR	Borehole MD: 32450
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32440
API Well Number: 608074027900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 5500 - 32450	Water Depth: 2384
Public Info Code: Y 30-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Grand Cayman Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 5500	DEF AT first sample examined	DEF IN 5
5619 / 5619	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
5620 / 5620	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
5830 / 5830	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
5950 / 5950	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
6309 / 6309	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
6310 / 6310	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6580 / 6580	DEF AT out-of-place section	DEF AT 5
6609 / 6609	DEF AT gypsum	DEF AT 5
6610 / 6610	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
6640 / 6640	DEF IN salt	DEF AT 5
27910 /27909	DEF AT out-of-place section	DEF AT 5
27929 /27928	DEF IN out-of-place section	DEF AT 5
27930 /27929	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
28013 /28012	DEF AT - - - -	DEF AT 4
28070 /28069	DEF AT reworked material	DEF AT 4
28160 /28159	DEF IN salt	DEF AT 4
31640 /31634	DEF AT out-of-place section	POS AT 5
31700 /31694	DEF IN out-of-place section	POS AT 4
31910 /31903	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
32450 /32440	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 562	<b>Date of Summary:</b> 29-SEP-2000	<b>First Sample Examined:</b> 9008
<b>Lease Number:</b> G20794	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19831
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19491
<b>API Well Number:</b> 608074021900	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9008 - 19830	<b>Water Depth:</b> 3310
<b>Public Info Code:</b> Y 31-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9008 / 9008	DEF AT first sample examined	DEF AT 5
9900 / 9900	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12960 /12921	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
14880 /14755	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15179 /15043	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15180 /15044	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
17520 /17291	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
19230 /18918	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
19830 /19490	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 562	Date of Summary: 29-SEP-2000	First Sample Examined: 9008
Lease Number: G20794	Source of Paleo: OPERATOR	Borehole MD: 19831
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19491
API Well Number: 608074021900	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9008 - 19830	Water Depth: 3310
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9008 / 9008	DEF AT first sample examined	DEF AT
9870 / 9870	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11250 /11249	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11970 /11965	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14850 /14727	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15150 /15015	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17520 /17291	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17760 /17520	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18900 /18605	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19200 /18890	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
19290 /18976	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19500 /19175	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19530 /19204	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19830 /19490	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 580	Date of Summary: 22-AUG-2000	First Sample Examined: 4550
Lease Number: G15919	Source of Paleo: OPERATOR	Borehole MD: 9732
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9656
API Well Number: 608074065500	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 4550 - 9710	Water Depth: 2027
Public Info Code: Y 31-DEC-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4550 / 4550	DEF AT first sample examined	DEF AT 5
5060 / 5060	DEF AT -----	DEF IN 5
5210 / 5210	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
5690 / 5689	DEF AT -----	DEF AT 5
5750 / 5749	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
6350 / 6349	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8030 / 7998	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9260 / 9195	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9440 / 9371	DEF AT -----	DEF AT 5
9710 / 9635	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 580	Date of Summary: 22-AUG-2000	First Sample Examined: 4550
Lease Number: G15919	Source of Paleo: OPERATOR	Borehole MD: 9732
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9656
API Well Number: 608074065500	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 4550 - 9710	Water Depth: 2027
Public Info Code: Y 31-DEC-2003	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4550 / 4550	DEF AT first sample examined	DEF AT
4551 / 4551	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5090 / 5090	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5420 / 5419	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6500 / 6499	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7340 / 7330	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8030 / 7998	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9290 / 9224	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9710 / 9635	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 580	<b>Date of Summary:</b> 22-AUG-2000	<b>First Sample Examined:</b> 9650
<b>Lease Number:</b> G15919	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10404
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10330
<b>API Well Number:</b> 608074065501	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9650 - 10404	<b>Water Depth:</b> 2027
<b>Public Info Code:</b> Y 31-DEC-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9650 / 9589	DEF AT first sample examined	DEF AT 5
9890 / 9825	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9920 / 9854	DEF AT -----	DEF IN 5
10130 /10061	DEF AT -----	DEF AT 5
10404 /10330	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 580	<b>Date of Summary:</b> 22-AUG-2000	<b>First Sample Examined:</b> 9650
<b>Lease Number:</b> G15919	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10404
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10330
<b>API Well Number:</b> 608074065501	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9650 - 10404	<b>Water Depth:</b> 2027
<b>Public Info Code:</b> Y 31-DEC-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9650 / 9589	DEF AT first sample examined	DEF AT
9890 / 9825	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10404 /10330	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 600	Date of Summary: 26-SEP-2001	First Sample Examined: 0
Lease Number: G22326	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 24135
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24127
API Well Number: 608074023200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2934
Public Info Code: Y 16-FEB-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7130 / 7130	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
13880 /13879	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16730 /16729	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17570 /17568	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21500 /21496	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
23000 /22993	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
23180 /23173	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
23330 /23322	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 602	Date of Summary: 14-JUL-1996	First Sample Examined: 18000
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24653
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24650
API Well Number: 608074015100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 13500 - 24642	Water Depth: 3665
Public Info Code: Y 04-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18000 /18000	DEF AT first sample examined	POS AT 4
18480 /18480	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
18990 /18990	POS IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
19439 /19439	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
19440 /19440	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
19470 /19470	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
21990 /21990	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
22050 /22050	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
22950 /22950	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
24090 /24090	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
24642 /24642	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 602	Date of Summary: 01-SEP-1996	First Sample Examined: 18130
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24350
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24267
API Well Number: 608074015101	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 18130 - 24340	Water Depth: 3665
Public Info Code: Y 06-SEP-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18130 /18129	DEF AT first sample examined	DEF AT 4
18790 /18788	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
19390 /19380	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
19420 /19409	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
22000 /21918	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
22210 /22128	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
22780 /22698	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
23920 /23837	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
24250 /24167	POS AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT 4
24340 /24257	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 602	Date of Summary: 30-JAN-1996	First Sample Examined: 15510
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24960
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 24313
API Well Number: 608074014400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4965 - 24960	Water Depth: 3693
Public Info Code: Y 20-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15510 /15507	DEF AT first sample examined	DEF AT
17370 /17363	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18390 /18382	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18870 /18861	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
19260 /19251	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
21570 /21444	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
21750 /21601	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
22430 /22182	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
24360 /23805	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
24810 /24187	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 5
24960 /24313	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 602	Date of Summary: 20-JAN-1997	First Sample Examined: 18180
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24960
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 24313
API Well Number: 608074014400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 18180 - 24960	Water Depth: 3693
Public Info Code: Y 20-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18180 /18172	DEF AT first sample examined	POS AT 4
19260 /19251	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
19650 /19639	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
21750 /21601	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
24180 /23653	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
24960 /24313	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 602	Date of Summary: 15-JUL-1999	First Sample Examined: 18200
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24200
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 23698
API Well Number: 608074014401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 18200 - 24200	Water Depth: 3694
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18200 /18192	DEF AT first sample examined	DEF AT
18410 /18401	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18950 /18938	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
19310 /19295	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21620 /21504	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22430 /22260	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
23850 /23436	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
24030 /23572	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
24180 /23684	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 602	<b>Date of Summary:</b> 05-OCT-1999	<b>First Sample Examined:</b> 19020
<b>Lease Number:</b> G11553	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22855
<b>Well Name:</b> A004	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 22675
<b>API Well Number:</b> 608074019300	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19020 - 22850	<b>Water Depth:</b> 3708
<b>Public Info Code:</b> Y 27-OCT-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19020 /18840	DEF AT first sample examined	DEF IN 3
19170 /18990	DEF AT local marker foram increase	DEF AT 4
19200 /19020	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
19500 /19320	DEF AT faunal change (no faunal increase)	DEF IN 3
21270 /21090	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
21540 /21360	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
21770 /21590	DEF AT local marker foram increase	DEF AT 4
21860 /21680	DEF AT local marker foram increase	DEF AT 4
21880 /21700	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
21950 /21770	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
22390 /22210	DEF AT local marker foram increase	DEF AT 4
22410 /22230	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
22640 /22460	DEF AT local marker foram increase	DEF AT 4
22700 /22520	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
22760 /22580	DEF AT gouge	DEF AT 4
22761 /22581	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
22790 /22610	POS AT salt	DEF AT 4
22800 /22620	DEF AT reworked material	DEF AT 4
22850 /22670	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 602	Date of Summary: 27-OCT-2001	First Sample Examined: 17300
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 25271
Well Name: A004	Paleo Done By: THOMAS REILLY	Borehole TVD: 24234
API Well Number: 608074019301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 17300 - 25280	Water Depth: 3708
Public Info Code: Y 02-FEB-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17300 /17207	DEF AT first sample examined	DEF IN 3
17660 /17563	DEF AT faunal change (no faunal increase)	DEF AT 4
17780 /17681	DEF AT faunal change (no faunal increase)	DEF IN 3
18440 /18334	DEF AT faunal change (no faunal increase)	DEF AT 4
19400 /19282	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
20090 /19950	DEF AT faunal change (no faunal increase)	DEF IN 3
20990 /20789	DEF AT faunal change (no faunal increase)	DEF AT 4
21050 /20842	DEF AT local marker foram increase	DEF AT 4
21830 /21479	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
22100 /21687	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
22820 /22238	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
23390 /22655	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
23660 /22870	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
23810 /22994	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
24140 /23263	DEF AT local marker foram increase	DEF AT 4
24830 /23848	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
25010 /24003	DEF AT local marker foram increase	DEF AT 4
25250 /24215	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 602	<b>Date of Summary:</b> 18-NOV-2001	<b>First Sample Examined:</b> 17300
<b>Lease Number:</b> G11553	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25271
<b>Well Name:</b> A004	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 24234
<b>API Well Number:</b> 608074019301	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17300 - 25271	<b>Water Depth:</b> 3708
<b>Public Info Code:</b> Y 02-FEB-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17300 /17207	DEF AT first sample examined	DEF AT
17301 /17208	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17330 /17237	DEF AT reworked material	DEF AT
17360 /17266	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18140 /18038	DEF AT reworked material	DEF AT
18470 /18364	DEF AT reworked material	DEF AT
18740 /18630	DEF AT reworked material	DEF AT
18980 /18867	DEF AT reworked material	DEF AT
19340 /19223	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
19430 /19312	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
19610 /19487	DEF AT reworked material	DEF AT
19700 /19574	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
20180 /20036	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
20630 /20459	DEF AT reworked material	DEF AT
21350 /21099	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
21650 /21339	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22730 /22171	DEF AT reworked material	DEF AT
24170 /23288	DEF AT local marker floral increase	DEF AT
25250 /24215	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
25271 /24233	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 602	Date of Summary: 26-JUL-1999	First Sample Examined: 18780
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24197
Well Name: A005	Paleo Done By: THOMAS REILLY	Borehole TVD: 23372
API Well Number: 608074019401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 18780 - 24190	Water Depth: 3693
Public Info Code: Y 28-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18780 /18434	DEF AT first sample examined	DEF IN 3
19230 /18855	DEF AT faunal change (no faunal increase)	DEF AT 4
19290 /18910	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
19590 /19189	DEF AT faunal change (no faunal increase)	DEF IN 3
21780 /21179	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
22230 /21586	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
22480 /21812	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
22660 /21975	DEF AT local marker foram increase	DEF AT 4
23600 /22830	DEF AT local marker foram increase	DEF AT 4
23610 /22840	DEF AT local marker foram increase	DEF AT 4
23870 /23075	DEF AT local marker foram increase	DEF AT 4
23980 /23175	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
24010 /23202	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
24070 /23256	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
24190 /23366	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 602	Date of Summary: 08-DEC-1999	First Sample Examined: 18570
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24197
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 23372
API Well Number: 608074019401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 18570 - 24200	Water Depth: 3693
Public Info Code: Y 28-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
18570 /18236	DEF AT first sample examined	DEF	AT
19200 /18827	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	IN 3
19230 /18855	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT 4
19290 /18910	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT 4
22230 /21586	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT 4
22231 /21586	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT 4
22740 /22048	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT 4
23080 /22359	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT 4
23910 /23111	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT 4
23970 /23166	POS AT condensed section	DEF	AT 4
24200 /	DEF AT last sample examined	DEF	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 625	<b>Date of Summary:</b> 27-OCT-1998	<b>First Sample Examined:</b> 3550
<b>Lease Number:</b> G15927	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10835
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10495
<b>API Well Number:</b> 608074064801	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3550 - 10835	<b>Water Depth:</b> 2350
<b>Public Info Code:</b> Y 21-NOV-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Raven Prospect bypass, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3550 / 3550	DEF AT first sample examined	DEF AT
4690 / 4690	DEF AT local marker floral increase	DEF AT
5470 / 5470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5650 / 5650	DEF AT local marker floral increase	DEF AT
6190 / 6190	DEF AT local marker floral increase	DEF AT
7690 / 7685	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8590 / 8507	DEF AT reworked material	DEF AT
8650 / 8561	DEF AT reworked material	DEF AT
10510 /10233	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10630 /10341	DEF AT local marker floral increase	DEF AT
10690 /10395	DEF AT salt weld	DEF AT
10750 /10449	DEF AT reworked material	DEF AT
10834 /10524	DEF IN Oligocene	DEF AT
10835 /10525	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 625	Date of Summary: 30-OCT-1998	First Sample Examined: 3550
Lease Number: G15927	Source of Paleo: OPERATOR	Borehole MD: 10835
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10495
API Well Number: 608074064801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 3550 - 10835	Water Depth: 2350
Public Info Code: Y 21-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Raven Prospect bypass, 4660=Upper Illinoian interstadial, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
3550 / 3550	DEF AT first sample examined	POS	AT	3
3551 / 3551	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	POS	AT	3
3580 / 3580	DEF AT faunal change (no faunal increase)	DEF	AT	3
3700 / 3700	DEF AT local marker benthic foram increase	DEF	AT	3
3910 / 3910	DEF AT limestone	DEF	AT	3
4120 / 4120	DEF AT local marker foram increase	DEF	AT	3
4540 / 4540	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	3
4630 / 4630	DEF AT faunal change (no faunal increase)	DEF	IN	3
4660 / 4660	DEF AT Illinoian fauna (local marker)	DEF	IN	4
4720 / 4720	DEF AT pyrite	DEF	IN	4
4750 / 4750	DEF AT faunal change (no faunal increase)	DEF	AT	4
4870 / 4870	DEF AT local marker benthic foram increase	DEF	AT	4
4960 / 4960	DEF AT faunal change (no faunal increase)	DEF	IN	3
5140 / 5140	DEF AT faunal change (no faunal increase)	DEF	AT	3
5320 / 5320	DEF AT faunal change (no faunal increase)	DEF	IN	3
5440 / 5440	DEF AT local marker foram increase	DEF	AT	4
5470 / 5470	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	IN	4
5500 / 5500	DEF AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF	IN	4
5650 / 5650	DEF AT local marker foram increase	DEF	IN	4
5770 / 5770	DEF AT faunal change (no faunal increase)	DEF	AT	4
6040 / 6040	DEF AT local marker foram increase	DEF	AT	4
6340 / 6340	DEF AT cement	DEF	AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 625  
Lease Number: G15927  
Well Name: 001  
API Well Number: 608074064801  
Paleo Report Num: 2 of 2  
Public Info Code: Y 21-NOV-2008

Date of Summary: 30-OCT-1998  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 3550 - 10835  
Ecozone Eq MMS: Y

First Sample Examined: 3550  
Borehole MD: 10835  
Borehole TVD: 10495  
Rkb Elevation: 80  
Water Depth: 2350  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6370 / 6370	DEF AT faunal change (no faunal increase)	DEF IN 3
7660 / 7655	DEF AT maximum flooding surface	DEF AT 4
7900 / 7884	DEF AT faunal change (no faunal increase)	DEF IN 3
8380 / 8319	DEF AT local marker foram increase	DEF AT 4
8590 / 8507	DEF AT faunal change (no faunal increase)	DEF IN 3
8800 / 8696	DEF AT faunal change (no faunal increase)	DEF AT 4
8860 / 8750	DEF AT faunal change (no faunal increase)	DEF IN 3
10000 / 9775	DEF AT faunal change (no faunal increase)	DEF AT 3
10510 /10233	DEF AT local marker foram increase	DEF AT 3
10600 /10314	DEF AT local marker foram increase	DEF IN 3
10630 /10341	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10690 /10395	DEF AT salt weld	DEF AT 4
10691 /10396	POS IN Oligocene	DEF AT 4
10835 /10525	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 657	Date of Summary: 01-SEP-2003	First Sample Examined: 7540
Lease Number: G19154	Source of Paleo: OPERATOR	Borehole MD: 14089
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12637
API Well Number: 608074025500	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7540 - 13930	Water Depth: 4600
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Shiner Deep Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
7540 / 7378	DEF AT first sample examined	DEF	AT
7541 / 7379	DEF IN Pleistocene	DEF	AT
7990 / 7748	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS	AT 4
8260 / 7960	DEF AT -----	DEF	AT 5
8440 / 8099	DEF AT local marker planktic foram increase	DEF	AT 5
8800 / 8372	DEF AT -----	DEF	AT 4
8980 / 8509	DEF AT -----	DEF	AT 0
9695 / 9052	DEF AT cement	DEF	AT
9760 / 9101	DEF AT -----	POS	AT 4
10000 / 9284	DEF AT local marker foram increase	POS	AT 4
10300 / 9512	DEF AT reworked material	DEF	AT
10540 / 9694	DEF AT -----	POS	AT 4
10750 / 9854	DEF AT -----	DEF	AT 0
10870 / 9945	DEF AT -----	DEF	AT 4
11170 /10173	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT 5
11171 /10173	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT 5
11470 /10400	DEF AT pyrite	DEF	AT 5
11530 /10446	DEF AT -----	POS	AT 4
11890 /10719	DEF AT -----	POS	AT 5
12010 /10811	DEF AT -----	POS	AT 4
12130 /10902	DEF AT -----	DEF	AT 0
12370 /11084	DEF AT -----	POS	AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 657	<b>Date of Summary:</b> 01-SEP-2003	<b>First Sample Examined:</b> 7540
<b>Lease Number:</b> G19154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14089
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 12637
<b>API Well Number:</b> 608074025500	<b>Drilling Operator:</b> DEVON LOUISIANA CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7540 - 13930	<b>Water Depth:</b> 4600
<b>Public Info Code:</b> Y 30-NOV-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12400 /11108	DEF AT pyrite	POS AT 5
12520 /11202	DEF AT -----	POS AT 4
12730 /11374	DEF AT -----	DEF AT 0
13270 /11851	POS AT local marker planktic foram increase	DEF AT 5
13300 /11878	DEF AT pyrite	DEF AT 5
13540 /12103	DEF AT -----	POS AT 4
13690 /12247	DEF AT -----	DEF AT 0
13840 /12392	DEF AT -----	POS AT 4
13870 /12421	DEF AT pyrite	POS AT 4
13930 /12480	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 657	<b>Date of Summary:</b> 01-SEP-2003	<b>First Sample Examined:</b> 13930
<b>Lease Number:</b> G19154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18482
<b>API Well Number:</b> 608074025501	<b>Drilling Operator:</b> DEVON LOUISIANA CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9655 - 20000	<b>Water Depth:</b> 4484
<b>Public Info Code:</b> Y 30-NOV-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Shiner Deep Prospect, 19419=beginning of partial repeat Pliocene section, with super-abundant to abundant pyrite to TD

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13930 /12441	DEF AT first sample examined	POS AT 4
14020 /12529	DEF AT -----	POS AT 6
14110 /12617	DEF AT -----	DEF AT 5
14230 /12736	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14260 /12766	DEF AT pyrite	DEF AT 4
14680 /13185	DEF AT -----	POS AT 5
14770 /13275	DEF AT reworked material	DEF AT 5
14920 /13425	DEF AT pyrite	DEF AT 5
15520 /14024	DEF AT -----	POS AT 5
15940 /14443	DEF AT local marker planktic foram increase	DEF AT 5
15970 /14473	DEF AT pyrite	DEF AT 5
16419 /14921	DEF AT pyrite	DEF AT 6
16420 /14922	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
16510 /15011	DEF AT -----	POS AT 5
16630 /15131	DEF AT pyrite	POS AT 5
16810 /15309	DEF AT local marker planktic foram increase	DEF IN 6
16840 /15339	DEF AT pyrite	DEF IN 6
16855 /15354	DEF AT cement	DEF IN 6
16959 /15457	DEF AT local marker planktic foram increase	DEF IN 6
16960 /15458	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
16990 /15487	DEF AT -----	DEF AT 5
18040 /16522	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 657  
Lease Number: G19154  
Well Name: 001  
API Well Number: 608074025501  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-NOV-2007

Date of Summary: 01-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 9655 - 20000  
Ecozone Eq MMS: Y

First Sample Examined: 13930  
Borehole MD: 20000  
Borehole TVD: 18482  
Rkb Elevation: 86  
Water Depth: 4484  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18280 /16762	DEF AT -----	POS AT 5
18340 /16822	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	POS AT 5
18580 /17062	DEF AT -----	DEF AT 5
18730 /17212	DEF AT pyrite	DEF AT 5
18849 /17331	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
18850 /17332	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18940 /17422	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18968 /17450	DEF AT limestone	DEF AT 5
18969 /17451	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
18970 /17452	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19029 /17511	DEF AT pyrite	POS AT 6
19030 /17512	DEF IN Lower Pliocene Zanclian Stage	POS AT 6
19090 /17572	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 6
19119 /17601	DEF AT pyrite	POS AT 6
19120 /17602	DEF AT local marker planktic foram increase	POS AT 6
19389 /17871	DEF AT pyrite	DEF IN 6
19390 /17872	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 6
19419 /17901	DEF AT pyrite	DEF IN 6
19420 /17902	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 6
19480 /17962	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 6
19540 /18022	DEF AT pyrite	DEF IN 6
19570 /18052	DEF AT -----	DEF AT 5
19660 /18142	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19690 /18172	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 657  
 Lease Number: G19154  
 Well Name: 001  
 API Well Number: 608074025501  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-NOV-2007

Date of Summary: 01-SEP-2003  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: DEVON LOUISIANA CORPORATION  
 Sample Range: 9655 - 20000  
 Ecozone Eq MMS: Y

First Sample Examined: 13930  
 Borehole MD: 20000  
 Borehole TVD: 18482  
 Rkb Elevation: 86  
 Water Depth: 4484  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19838 /18320	DEF AT gouge	DEF AT
19839 /18321	DEF AT anhydrite	DEF AT
19840 /18322	DEF AT salt	DEF AT
20000 /18482	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 667	Date of Summary: 13-AUG-2001	First Sample Examined: 9330
Lease Number: G17406	Source of Paleo: OPERATOR	Borehole MD: 16139
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16092
API Well Number: 608074065802	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 9330 - 16140	Water Depth: 3105
Public Info Code: Y 21-JUN-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 14220=zone of mixed floral assemblage of Middle to Late Miocene, Plio-Pleistocene possibly reworked/salt weld fauna TO 14310, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9330 / 9329	DEF AT first sample examined	DEF AT
9780 / 9777	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13560 /13520	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14220 /14180	DEF AT salt weld	DEF AT
15960 /15915	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16140 /16093	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 667	<b>Date of Summary:</b> 13-AUG-2001	<b>First Sample Examined:</b> 9530
<b>Lease Number:</b> G17406	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16139
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16092
<b>API Well Number:</b> 608074065802	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9530 - 16140	<b>Water Depth:</b> 3105
<b>Public Info Code:</b> Y 21-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Zone of mixed faunal assemblage of middle to late Miocene, Plio-Pleistocene, possibly reworked salt weld fauna to 14310, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9530 / 9529	DEF AT first sample examined	DEF AT 5
14219 /14179	POS AT out-of-place section	DEF AT 5
14220 /14180	DEF AT salt weld	DEF AT 5
15960 /15915	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16140 /16093	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 667	<b>Date of Summary:</b> 13-AUG-2001	<b>First Sample Examined:</b> 15330
<b>Lease Number:</b> G17406	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16151
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16109
<b>API Well Number:</b> 608074065803	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15330 - 16151	<b>Water Depth:</b> 3103
<b>Public Info Code:</b> Y 29-JUN-2011	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15330 /15289	DEF AT first sample examined	DEF AT
15960 /15918	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16151 /16109	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 667	<b>Date of Summary:</b> 13-AUG-2001	<b>First Sample Examined:</b> 15330
<b>Lease Number:</b> G17406	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16151
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16109
<b>API Well Number:</b> 608074065803	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15330 - 16151	<b>Water Depth:</b> 3103
<b>Public Info Code:</b> Y 29-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15330 /15289	DEF AT first sample examined	DEF AT 5
15960 /15918	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16151 /16109	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 667	<b>Date of Summary:</b> 09-MAY-2001	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16696
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15831
<b>API Well Number:</b> 608074065800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6000 - 16696	<b>Water Depth:</b> 3105
<b>Public Info Code:</b> Y 18-MAY-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	DEF AT 5
6330 / 6330	DEF AT -----	DEF IN 5
6480 / 6480	DEF AT -----	DEF AT 5
7770 / 7769	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9240 / 9239	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
9990 / 9989	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscons (acme "A")	DEF AT 5
16696 / 15833	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 667	<b>Date of Summary:</b> 09-MAY-2001	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16696
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15831
<b>API Well Number:</b> 608074065800	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6000 - 16696	<b>Water Depth:</b> 3105
<b>Public Info Code:</b> Y 18-MAY-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, significant reoccurrence of *Pseudoemiliana lacunosa* C at 9990, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	DEF AT
6360 / 6360	DEF AT Middle Pleistocene (Ionian) <i>Pseudoemiliana lacunosa</i> "A"	DEF AT
7770 / 7769	POS IN Middle Pleistocene (Ionian) <i>Pseudoemiliana lacunosa</i> "B"	DEF AT
8730 / 8729	DEF AT Middle Pleistocene (Ionian) <i>Pseudoemiliana ovata</i>	DEF AT
9840 / 9839	DEF AT Lower Pleistocene (Calabrian) <i>Pseudoemiliana lacunosa</i> "C" (acme)	DEF AT
11730 /11614	DEF AT Lower Pleistocene (Calabrian) <i>Gephyrocapsa caribbeanica</i> (large)	DEF AT
13440 /13089	POS AT Lower Pleistocene (Calabrian) <i>Helicosphaera sellii</i>	DEF AT
16260 /15468	DEF AT Lower Pleistocene (Calabrian) <i>Calcidiscus macintyreii</i>	DEF AT
16696 /15833	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 667	<b>Date of Summary:</b> 17-SEP-2002	<b>First Sample Examined:</b> 10500
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16610
<b>Well Name:</b> SS009	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15346
<b>API Well Number:</b> 608074066500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10500 - 16610	<b>Water Depth:</b> 3102
<b>Public Info Code:</b> Y 09-SEP-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10498	DEF AT first sample examined	DEF AT 5
10620 /10618	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10950 /10948	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
16610 /15346	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 667	<b>Date of Summary:</b> 17-SEP-2002	<b>First Sample Examined:</b> 10500
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16610
<b>Well Name:</b> SS009	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15346
<b>API Well Number:</b> 608074066500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10500 - 16610	<b>Water Depth:</b> 3102
<b>Public Info Code:</b> Y 09-SEP-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10498	DEF AT first sample examined	DEF AT
10890 /10888	DEF AT out-of-place section	DEF AT
10950 /10948	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11700 /11688	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13380 /13103	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16610 /15346	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 01-JUN-1999	First Sample Examined: 5857
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 14447
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14302
API Well Number: 608074065400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5857 - 14447	Water Depth: 3138
Public Info Code: Y 08-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 11670=Gephyrocapsa (medium) acme, sequence boundaries are found 30 feet (one sample) above each maximum flooding surface (=condensed section), paleobathymetry ranges from upper to lower bathyal throughout the entire interval examined and is generalized

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5857 / 5857	DEF AT first sample examined	POS AT 4
6330 / 6330	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	POS AT 4
6360 / 6360	DEF AT sequence boundary	DEF AT 4
6389 / 6389	DEF AT maximum flooding surface	DEF AT 4
6390 / 6390	DEF AT condensed section	POS AT 4
6598 / 6598	DEF AT maximum flooding surface	DEF AT 4
6599 / 6599	DEF AT condensed section	POS AT 4
6600 / 6600	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	POS AT 4
7380 / 7380	DEF AT sequence boundary	DEF AT 4
7409 / 7409	DEF AT maximum flooding surface	DEF AT 4
7410 / 7410	DEF AT condensed section	POS AT 4
7950 / 7950	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS AT 4
8250 / 8250	DEF AT sequence boundary	DEF AT 4
8278 / 8278	DEF AT maximum flooding surface	DEF AT 4
8279 / 8279	DEF AT condensed section	POS AT 4
8280 / 8280	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	POS AT 4
8730 / 8730	DEF AT sequence boundary	DEF AT 4
8758 / 8758	DEF AT maximum flooding surface	DEF AT 4
8759 / 8759	DEF AT condensed section	POS AT 4
8760 / 8760	POS AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	POS AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 01-JUN-1999	First Sample Examined: 5857
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 14447
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14302
API Well Number: 608074065400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5857 - 14447	Water Depth: 3138
Public Info Code: Y 08-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8790 / 8790	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
9630 / 9630	DEF AT sequence boundary	DEF AT 4
9658 / 9658	DEF AT maximum flooding surface	DEF AT 4
9659 / 9659	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	POS AT 4
9660 / 9660	DEF AT condensed section	POS AT 4
9690 / 9690	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	POS AT 4
10830 /10830	DEF AT sequence boundary	DEF AT 4
10858 /10858	DEF AT maximum flooding surface	DEF AT 4
10859 /10859	DEF AT condensed section	POS AT 4
10860 /10860	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	POS AT 4
11640 /11639	DEF AT sequence boundary	DEF AT 4
11668 /11667	DEF AT maximum flooding surface	DEF AT 4
11669 /11668	DEF AT condensed section	POS AT 4
11670 /11669	DEF AT local marker floral increase	POS AT 4
13320 /13256	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	POS AT 4
13710 /13623	DEF AT sequence boundary	DEF AT 4
13738 /13650	DEF AT maximum flooding surface	DEF AT 4
13739 /13651	DEF AT condensed section	POS AT 4
13740 /13652	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 4
14070 /13958	DEF AT sequence boundary	DEF AT 4
14098 /13984	DEF AT maximum flooding surface	DEF AT 4
14099 /13985	DEF AT condensed section	POS AT 4
14100 /13986	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
14447 /	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 01-JUN-1999	First Sample Examined: 14447
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 17066
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 16713
API Well Number: 608074065401	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 14447 - 17066	Water Depth: 3138
Public Info Code: Y 21-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 14550=rare Sphaeroidinellopsis sphaeroides, sequence boundaries are found 20 feet above the maximum flooding surface (condensed section), paleobathymetry ranges from upper to Lower bathyal throughout the entire interval examined and is generalized

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14447 /14303	DEF AT first sample examined	POS IN 4
14550 /14398	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 4
15119 /14924	DEF AT condensed section	POS IN 4
15120 /14925	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
16920 /16578	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 4
16950 /16606	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 4
17050 /16698	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 14-MAR-2001	First Sample Examined: 13950
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 17066
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16713
API Well Number: 608074065401	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13950 - 16170	Water Depth: 3138
Public Info Code: Y 21-JUN-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 /13847	DEF AT first sample examined	DEF AT
14010 /13902	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16170 /15892	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 01-JUN-2000	First Sample Examined: 13950
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 19147
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 17936
API Well Number: 608074065402	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 13950 - 19147	Water Depth: 3138
Public Info Code: Y 18-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno high-resolution biostratigraphic analysis and identification of sequence boundaries and maximum flooding surfaces, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 /13847	DEF AT first sample examined	DEF IN 4
14010 /13902	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
14070 /13957	POS AT sequence boundary	DEF IN 4
14099 /13984	DEF AT maximum flooding surface	DEF IN 4
14100 /13985	DEF AT condensed section	DEF IN 4
14130 /14012	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
14250 /14120	DEF AT - - - - -	POS IN 4
15570 /15025	DEF AT local marker planktic foram increase	POS IN 4
17060 /16121	POS AT sequence boundary	POS IN 4
17099 /16152	DEF AT maximum flooding surface	POS IN 4
17100 /16153	DEF AT condensed section	POS IN 4
17160 /16201	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	POS IN 4
18750 /17579	DEF AT - - - - -	DEF IN 4
18838 /17659	DEF AT sequence boundary	DEF IN 4
18839 /17659	POS AT unconformity	DEF IN 4
18840 /17660	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 4
18868 /17685	DEF AT maximum flooding surface	DEF IN 4
18869 /17686	DEF AT condensed section	DEF IN 4
18870 /17687	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 4
19110 /17903	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 14-MAR-2001	<b>First Sample Examined:</b> 13950
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19147
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17936
<b>API Well Number:</b> 608074065402	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13950 - 19140	<b>Water Depth:</b> 3138
<b>Public Info Code:</b> Y 18-JUL-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 /13847	DEF AT first sample examined	DEF AT
14010 /13902	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18060 /16958	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19140 /17930	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 04-NOV-2005	<b>First Sample Examined:</b> 9500
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24134
<b>Well Name:</b> 012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23301
<b>API Well Number:</b> 608074067400	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9500 - 24134	<b>Water Depth:</b> 3106
<b>Public Info Code:</b> Y 09-NOV-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 9499	DEF AT first sample examined	DEF IN 5
10579 /10578	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
10580 /10579	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
11630 /11629	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
12110 /12109	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
14959 /14957	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
14960 /14958	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
18950 /18945	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
20549 /20452	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
20550 /20453	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
23609 /22891	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
23610 /22892	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
24134 /23301	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 30-JUL-2002	First Sample Examined: 10300
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 15900
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13974
API Well Number: 608074066400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10300 - 15900	Water Depth: 3152
Public Info Code: Y 16-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10300 /10005	DEF AT first sample examined	DEF AT 5
10630 /10235	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
15790 /13895	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
15900 /13974	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 30-JUL-2002	<b>First Sample Examined:</b> 10300
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15900
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13974
<b>API Well Number:</b> 608074066400	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10300 - 15900	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 16-AUG-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10300 /10005	DEF AT first sample examined	DEF AT
10570 /10194	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12520 /11559	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13630 /12349	DEF AT local marker floral increase	DEF AT
14320 /12840	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15770 /13880	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15900 /13974	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 12-APR-2001	First Sample Examined: 6000
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 17933
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17933
API Well Number: 608074065700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6000 - 17934	Water Depth: 3152
Public Info Code: Y 09-FEB-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	POS AT 5
6390 / 6390	DEF AT - - - - -	DEF AT 5
7980 / 7980	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8010 / 8010	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9210 / 9209	DEF AT - - - - -	DEF AT 4
9510 / 9509	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
10170 /10169	DEF AT - - - - -	DEF AT 5
10230 /10229	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
10860 /10858	DEF AT - - - - -	DEF AT 4
14250 /14246	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
14340 /14336	DEF AT - - - - -	DEF AT 4
16980 /16974	DEF AT sample gap top	DEF AT
17160 /17153	DEF AT sample gap bottom	DEF AT
17770 /17763	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 09-MAY-2001	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17933
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17933
<b>API Well Number:</b> 608074065700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6000 - 17934	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 09-FEB-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	DEF AT
6600 / 6600	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7380 / 7380	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9060 / 9060	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10440 /10439	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12420 /12417	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14280 /14276	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16320 /16314	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16980 /16974	DEF AT sample gap top	DEF AT
17800 /17793	DEF AT sample gap bottom	DEF AT
17934 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 09-MAR-2001	<b>First Sample Examined:</b> 13030
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18176
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17213
<b>API Well Number:</b> 608074065701	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13030 - 18176	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 02-APR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13030 /13013	DEF AT first sample examined	DEF AT 4
14620 /14383	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
17740 /16854	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
18100 /17151	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
18176 /17214	DEF AT last sample examined	DEF IN 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 09-MAR-2001	<b>First Sample Examined:</b> 13030
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18176
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17213
<b>API Well Number:</b> 608074065701	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13030 - 18176	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 02-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13030 /13013	DEF AT first sample examined	DEF AT
14530 /14311	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17230 /16448	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18040 /17101	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18160 /17200	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18176 /17214	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 28-AUG-2001	<b>First Sample Examined:</b> 11400
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21730
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20571
<b>API Well Number:</b> 608074065900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11400 - 21730	<b>Water Depth:</b> 3150
<b>Public Info Code:</b> Y 09-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11393	DEF AT first sample examined	DEF AT 4
12450 /12443	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
14460 /14402	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
20070 /19298	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
21390 /20318	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
21730 /20571	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 28-AUG-2001	<b>First Sample Examined:</b> 11430
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21730
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20571
<b>API Well Number:</b> 608074065900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11430 - 21730	<b>Water Depth:</b> 3150
<b>Public Info Code:</b> Y 09-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11430 /11423	DEF AT first sample examined	DEF AT
12450 /12443	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13230 /13220	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14430 /14374	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14730 /14646	DEF AT local marker floral increase	DEF AT
18030 /17483	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20040 /19272	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
21060 /20079	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21390 /20318	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
21730 /20571	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 06-NOV-2001	<b>First Sample Examined:</b> 14158
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17864
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17511
<b>API Well Number:</b> 608074065901	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14158 - 17860	<b>Water Depth:</b> 3150
<b>Public Info Code:</b> Y 25-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14158 /14120	DEF AT first sample examined	DEF AT 5
17860 /17508	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 06-NOV-2001	<b>First Sample Examined:</b> 14158
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17864
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17511
<b>API Well Number:</b> 608074065901	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14158 - 17860	<b>Water Depth:</b> 3150
<b>Public Info Code:</b> Y 25-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14158 /14120	DEF AT first sample examined	DEF AT
14420 /14369	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14749 /14673	DEF AT reworked material	DEF AT
14750 /14674	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17860 /17508	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 06-NOV-2001	First Sample Examined: 17030
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 18410
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18061
API Well Number: 608074065902	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 17030 - 18410	Water Depth: 3150
Public Info Code: Y 03-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** No diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17030 /16688	DEF AT first sample examined	DEF AT 5
18410 /18060	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 06-NOV-2001	<b>First Sample Examined:</b> 17030
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18410
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18061
<b>API Well Number:</b> 608074065902	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17030 - 18410	<b>Water Depth:</b> 3150
<b>Public Info Code:</b> Y 03-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17030 /16688	DEF AT first sample examined	DEF AT
18200 /17851	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18410 /18060	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 09-JUL-2002	<b>First Sample Examined:</b> 14230
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17975
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17538
<b>API Well Number:</b> 608074065903	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14230 - 17975	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 19-JUL-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14230 /14187	DEF AT first sample examined	DEF AT 4
14470 /14414	DEF AT - - - - -	DEF AT 5
17975 /17537	DEF AT last sample examined	DEF AT 5



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End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 09-JUL-2002	First Sample Examined: 14230
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 17975
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17538
API Well Number: 608074065903	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 14230 - 17975	Water Depth: 3152
Public Info Code: Y 19-JUL-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14230 /14187	DEF AT first sample examined	DEF AT
14440 /14386	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14769 /14686	POS AT reworked material	DEF AT
14770 /14687	DEF AT local marker floral increase	DEF AT
17340 /16940	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17975 /17537	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 24-APR-2002	<b>First Sample Examined:</b> 11281
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18306
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17405
<b>API Well Number:</b> 608074066101	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11281 - 18306	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 07-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11281 /11000	DEF AT first sample examined	DEF AT 5
13070 /12633	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
18306 /17400	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 24-APR-2002	<b>First Sample Examined:</b> 11281
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18306
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17405
<b>API Well Number:</b> 608074066101	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11281 - 18306	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 07-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11281 /11000	DEF AT first sample examined	DEF AT
11282 /11001	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13100 /12660	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15200 /14579	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18306 /17400	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 31-MAY-2002	<b>First Sample Examined:</b> 17300
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17816
<b>Well Name:</b> A006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16695
<b>API Well Number:</b> 608074066200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17300 - 17800	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 03-JUN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17300 /16199	DEF AT first sample examined	DEF AT 5
17330 /16228	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17800 /16680	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 31-MAY-2002	<b>First Sample Examined:</b> 17300
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17816
<b>Well Name:</b> A006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16695
<b>API Well Number:</b> 608074066200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17300 - 17800	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 03-JUN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17300 /16199	DEF AT first sample examined	DEF AT
17330 /16228	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17800 /16680	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 25-JUN-2002	<b>First Sample Examined:</b> 10800
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16298
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15537
<b>API Well Number:</b> 608074066300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10800 - 16300	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 04-JUL-2012	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10800 /10795	DEF AT first sample examined	DEF AT
14190 /13981	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14990 /14590	DEF AT reworked material	DEF AT
16070 /15369	DEF AT reworked material	DEF AT
16300 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 25-JUN-2002	<b>First Sample Examined:</b> 10800
<b>Lease Number:</b> G17407	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16298
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15537
<b>API Well Number:</b> 608074066300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10800 - 16300	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 04-JUL-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10800 /10795	DEF AT first sample examined	DEF AT 4
11490 /11484	DEF AT - - - - -	DEF AT 5
14190 /13981	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
16300 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 11-FEB-2003	<b>First Sample Examined:</b> 17830
<b>Lease Number:</b> G17408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18348
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14145
<b>API Well Number:</b> 608074066700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17830 - 18348	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 14-FEB-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17830 /13742	DEF AT first sample examined	DEF AT 5
18110 /13954	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
18348 /14145	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 11-FEB-2003	<b>First Sample Examined:</b> 17830
<b>Lease Number:</b> G17408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18348
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14145
<b>API Well Number:</b> 608074066700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17830 - 18348	<b>Water Depth:</b> 3152
<b>Public Info Code:</b> Y 14-FEB-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17830 /13742	DEF AT first sample examined	DEF AT
17990 /13861	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
18070 /13923	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18348 /14145	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 05-DEC-2000	<b>First Sample Examined:</b> 8650
<b>Lease Number:</b> G17408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14401
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12569
<b>API Well Number:</b> 608074065403	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8650 - 14398	<b>Water Depth:</b> 3138
<b>Public Info Code:</b> Y 16-NOV-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8650 / 8650	DEF AT first sample examined	DEF AT 5
8710 / 8710	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
14398 /12567	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 668	<b>Date of Summary:</b> 05-DEC-2000	<b>First Sample Examined:</b> 8650
<b>Lease Number:</b> G17408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14401
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12569
<b>API Well Number:</b> 608074065403	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8650 - 14398	<b>Water Depth:</b> 3138
<b>Public Info Code:</b> Y 16-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8650 / 8650	DEF AT first sample examined	DEF AT
8651 / 8651	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9490 / 9437	DEF AT reworked material	DEF AT
9850 / 9713	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11410 /10567	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14350 /12527	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14351 /12527	DEF AT reworked material	DEF AT
14398 /12567	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 05-DEC-2000	First Sample Examined: 13630
Lease Number: G17408	Source of Paleo: OPERATOR	Borehole MD: 15339
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13479
API Well Number: 608074065404	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 13630 - 15340	Water Depth: 3138
Public Info Code: Y 09-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 /11931	DEF AT first sample examined	DEF AT 5
15340 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 668	Date of Summary: 05-DEC-2000	First Sample Examined: 13630
Lease Number: G17408	Source of Paleo: OPERATOR	Borehole MD: 15339
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13479
API Well Number: 608074065404	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 13630 - 15340	Water Depth: 3138
Public Info Code: Y 09-DEC-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 /11931	DEF AT first sample examined	DEF AT
14350 /12539	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15340 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 09-FEB-2004	<b>First Sample Examined:</b> 10660
<b>Lease Number:</b> G15927	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24450
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23415
<b>API Well Number:</b> 608074066001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10660 - 24450	<b>Water Depth:</b> 2980
<b>Public Info Code:</b> Y 27-FEB-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10660 /10660	DEF AT first sample examined	DEF AT 5
10780 /10780	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11020 /11019	DEF AT faunal change (no faunal increase)	DEF IN 5
11110 /11108	DEF AT faunal change (no faunal increase)	DEF AT 5
16180 /16131	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
21850 /21111	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
24450 /23416	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 09-FEB-2004	<b>First Sample Examined:</b> 10660
<b>Lease Number:</b> G15927	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24450
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23415
<b>API Well Number:</b> 608074066001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10660 - 24450	<b>Water Depth:</b> 2980
<b>Public Info Code:</b> Y 27-FEB-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10660 /10660	DEF AT first sample examined	DEF AT
10750 /10750	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14260 /14253	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15310 /15300	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16210 /16159	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
22480 /21681	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
23380 /22502	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
24450 /23416	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 06-APR-2004	<b>First Sample Examined:</b> 22640
<b>Lease Number:</b> G15927	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27953
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 25940
<b>API Well Number:</b> 608074066002	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22640 - 27830	<b>Water Depth:</b> 2980
<b>Public Info Code:</b> Y 20-APR-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22640 /21287	DEF AT first sample examined	DEF AT 5
25760 /23811	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
27410 /25398	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
27830 /25818	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 06-APR-2004	<b>First Sample Examined:</b> 22640
<b>Lease Number:</b> G15927	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27953
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 25940
<b>API Well Number:</b> 608074066002	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22640 - 27830	<b>Water Depth:</b> 2980
<b>Public Info Code:</b> Y 20-APR-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22640 /21287	DEF AT first sample examined	DEF AT
25700 /23758	DEF AT reworked material	DEF AT
25730 /23784	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
27410 /25398	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
27830 /25818	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 15-DEC-2004	<b>First Sample Examined:</b> 14784
<b>Lease Number:</b> G15927	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19766
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19295
<b>API Well Number:</b> 608074066003	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14784 - 19760	<b>Water Depth:</b> 2965
<b>Public Info Code:</b> Y 30-SEP-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14784 /14777	DEF AT first sample examined	DEF AT 5
15950 /15902	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
19760 /19291	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 669	Date of Summary: 15-DEC-2004	First Sample Examined: 14784
Lease Number: G15927	Source of Paleo: OPERATOR	Borehole MD: 19766
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19295
API Well Number: 608074066003	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 14784 - 19760	Water Depth: 2965
Public Info Code: Y 30-SEP-2014	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14784 /14777	DEF AT first sample examined	DEF AT
15290 /15278	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16550 /16457	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19760 /19291	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 15-DEC-2004	<b>First Sample Examined:</b> 19740
<b>Lease Number:</b> G15927	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23581
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22443
<b>API Well Number:</b> 608074066004	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19740 - 23581	<b>Water Depth:</b> 2965
<b>Public Info Code:</b> Y 08-NOV-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19740 /19323	DEF AT first sample examined	DEF AT 5
21620 /20843	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
23581 /22443	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 15-DEC-2004	<b>First Sample Examined:</b> 19740
<b>Lease Number:</b> G15927	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23581
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22443
<b>API Well Number:</b> 608074066004	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19740 - 23581	<b>Water Depth:</b> 2965
<b>Public Info Code:</b> Y 08-NOV-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19740 /19323	DEF AT first sample examined	DEF AT
23581 /22443	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 20-DEC-2001	<b>First Sample Examined:</b> 4575
<b>Lease Number:</b> G17408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20720
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20500
<b>API Well Number:</b> 608074066000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4575 - 20720	<b>Water Depth:</b> 2954
<b>Public Info Code:</b> Y 25-DEC-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4575 / 4575	DEF AT first sample examined	DEF AT 4
6075 / 6075	DEF AT - - - - -	DEF AT 5
7720 / 7720	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10590 /10590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
20717 /20498	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 669	<b>Date of Summary:</b> 20-DEC-2001	<b>First Sample Examined:</b> 4575
<b>Lease Number:</b> G17408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20720
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20500
<b>API Well Number:</b> 608074066000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4575 - 20717	<b>Water Depth:</b> 2954
<b>Public Info Code:</b> Y 25-DEC-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, one specimen of Discoaster pentaradiatus and one of Discoaster brouweri found at 20150 considered out of place, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4575 / 4575	DEF AT first sample examined	DEF AT
6160 / 6160	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9070 / 9070	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10590 /10590	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
14030 /14030	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14870 /14870	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18199 /18189	POS AT reworked material	DEF AT
18200 /18190	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18950 /18898	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20717 /20498	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 754	Date of Summary: 27-APR-2000	First Sample Examined: 3900
Lease Number: G20796	Source of Paleo: OPERATOR	Borehole MD: 9350
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9200
API Well Number: 608074065300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 3900 - 9350	Water Depth: 2521
Public Info Code: Y 03-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 5610=Pseudohastigerina naguewichiensis (Earliest Oligocene), 7260=Marginotruncana angusticarinata (Early Campanian), 7710=Globigerinelloides ferreolensis with Hedbergella trocoidea (Earliest Albian), 8790 to 8793=in basal Neocomian (Berriasian) to Upper Jurassic (Tithonian) - very rare coral fragments, very rare coral biosparite, very rare encrusting bryozoans - per phone conversation with Art Waterman (PaleoData Inc) on June 22, 2000, this age determination based solely on associated nannofossil evidence and macrofossil assemblage, 9000=fine-grained sandstone/siltstone, 9080-9350=lithologic change - Middle Jurassic redbeds (?), undifferentiated Callovian to Bathonian, possibly older, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3900 / 3900	DEF AT first sample examined	DEF IN 5
3901 / 3901	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
3990 / 3990	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
4200 / 4200	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
4260 / 4260	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
4350 / 4350	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
4380 / 4380	DEF AT - - - - -	DEF AT 6
4440 / 4440	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
4470 / 4470	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
4530 / 4530	DEF AT - - - - -	DEF IN 5
4560 / 4560	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
4740 / 4740	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 5
4770 / 4770	POS AT Lower Miocene (Aquitanian) Siphonina davisii	DEF IN 5
4830 / 4830	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF IN 5
4860 / 4860	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
4950 / 4950	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN 5
5040 / 5040	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 754	Date of Summary: 27-APR-2000	First Sample Examined: 3900
Lease Number: G20796	Source of Paleo: OPERATOR	Borehole MD: 9350
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9200
API Well Number: 608074065300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 3900 - 9350	Water Depth: 2521
Public Info Code: Y 03-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5100 / 5100	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
5220 / 5220	DEF AT - - - - -	DEF AT 6
5430 / 5430	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
5490 / 5490	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
5610 / 5609	DEF AT local marker planktic foram increase	DEF AT 6
5669 / 5668	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
5670 / 5669	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 6
5850 / 5847	DEF AT Upper Eocene (Priabonian) Globigerinathea semiinvoluta	DEF AT 6
5910 / 5906	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
5970 / 5965	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 6
6060 / 6053	DEF IN Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 6
6179 / 6168	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 6
6180 / 6169	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 6
6209 / 6198	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 6
6210 / 6198	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 6
6420 / 6400	POS AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 6
6479 / 6457	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 6
6480 / 6458	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 6
6600 / 6571	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 6
6660 / 6628	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 6
6736 / 6700	DEF AT - - - - -	DEF IN 5
7108 / 7049	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF IN 5
7109 / 7050	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF IN 5
7110 / 7051	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 754	<b>Date of Summary:</b> 27-APR-2000	<b>First Sample Examined:</b> 3900
<b>Lease Number:</b> G20796	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9350
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9200
<b>API Well Number:</b> 608074065300	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3900 - 9350	<b>Water Depth:</b> 2521
<b>Public Info Code:</b> Y 03-DEC-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7140 / 7079	DEF AT Lower Paleocene (Danian) Globoconusa daubjergensis	DEF IN 5
7170 / 7107	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF IN 5
7260 / 7192	POS AT Upper Cretaceous (Campanian) Marginotruncana coronata	DEF IN 5
7290 / 7220	DEF AT Upper Cretaceous (Santonian) Dicarinella concavata	DEF IN 5
7409 / 7332	DEF AT Upper Cretaceous (Turonian) Praeglobotruncana stephani	DEF AT 4
7410 / 7333	DEF AT Upper Cretaceous (Coniacian) Hedbergella amabilis	DEF IN 5
7440 / 7361	DEF AT Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF AT 4
7499 / 7416	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 4
7500 / 7417	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 4
7560 / 7474	DEF AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 4
7710 / 7615	DEF AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 4
7830 / 7728	DEF AT - - - - -	DEF AT 3
8040 / 7928	DEF AT Lower Cretaceous (Aptian) Hedbergella sigali	DEF AT 3
8370 / 8244	DEF AT - - - - -	DEF AT 2
8790 / 8651	POS IN Lower Cretaceous Berriasian Stage	DEF AT 1
8791 / 8652	POS IN Upper Jurassic Tithonian Stage	DEF AT 1
8792 / 8653	DEF AT reefal material	DEF AT 1
8793 / 8654	DEF AT shell fragments	DEF AT 1
8998 / 8854	DEF AT sandstone	DEF AT 1
8999 / 8855	DEF AT pyrite	DEF AT 1
9000 / 8856	POS AT Jurassic Norphlet Formation	DEF AT 1
9080 / 8935	POS IN Middle Jurassic Callovian Stage	POS AT 1
9350 / 9200	DEF AT last sample examined	POS AT 1

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UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF OCEAN ENERGY MANAGEMENT
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000
End Date: 01-DEC-2016

Area Block: GB 754 Date of Summary: 28-APR-2000 First Sample Examined: 3900
Lease Number: G20796 Source of Paleo: OPERATOR Borehole MD: 9350
Well Name: 001 Paleo Done By: PALEO-DATA, INC. Borehole TVD: 9200
API Well Number: 608074065300 Drilling Operator: HESS CORPORATION Rkb Elevation: 86
Paleo Report Num: 2 of 2 Sample Range: 3900 - 9350 Water Depth: 2521
Public Info Code: Y 03-DEC-2001 Ecozone Eq MMS: Paleo ID: 002

Remark: Calcareous nannofossil report, age is provided for the following depths in the Cenozoic: 4110= 372MY, 4170= 430MY, 4200= 439MY, 4260= 554MY, 4320= 77MY, 4350= 79MY, 4410= 1100MY, 4440=1190MY, 4470= 1282MY, 4560= 1490MY, 4740= 1560MY, 4770= 1940MY, 4830= 234MY, 4890= 2390MY, 5190= 2880MY, 5490= 3230MY, 5550=3280MY, 5670= 343MY, 5730= 350MY, 5910= 371MY, 6210= 445MY, 6330= 454MY, 6450= 485MY, 6510= 506MY, 6570= 536MY, 6690= 557MY, 7193=Quadrum trifidum, 7350=Eiffellithus trabeculatus, 7710=Nannoconus truitii rectangularis, 7830=Nannoconus bucheri with Nannoconus bermudez (Late Aptian), 7860=Nannoconus wassalli (Early Aptian), 8070=last Lower Cretaceous flora noted, nannospecies abundance and diversity chart available, see report for details

Table with 3 columns: MD / TVD, Paleo Top Description, and Ecozone. It lists various geological depths and their corresponding descriptions and ecozone classifications.

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 754	Date of Summary: 28-APR-2000	First Sample Examined: 3900
Lease Number: G20796	Source of Paleo: OPERATOR	Borehole MD: 9350
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9200
API Well Number: 608074065300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 3900 - 9350	Water Depth: 2521
Public Info Code: Y 03-DEC-2001	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4830 / 4830	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
4890 / 4890	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
4891 / 4891	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
5190 / 5190	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
5490 / 5490	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
5550 / 5549	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
5670 / 5669	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
5730 / 5728	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
5910 / 5906	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
6210 / 6198	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
6330 / 6314	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
6450 / 6429	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
6510 / 6486	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT
6570 / 6543	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
6690 / 6657	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
7193 / 7129	DEF AT Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
7350 / 7276	DEF AT Upper Cretaceous Santonian Stage	DEF AT
7440 / 7361	POS AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
7650 / 7558	POS AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT
7710 / 7615	POS AT Lower Cretaceous (Aptian) Nannoconus truitti (acme)	DEF AT
7800 / 7700	DEF AT Lower Cretaceous (Aptian) Nannoconus kamptneri	DEF AT
7830 / 7728	DEF AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT
7860 / 7756	DEF IN Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT
8010 / 7899	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 754	<b>Date of Summary:</b> 28-APR-2000	<b>First Sample Examined:</b> 3900
<b>Lease Number:</b> G20796	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9350
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9200
<b>API Well Number:</b> 608074065300	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3900 - 9350	<b>Water Depth:</b> 2521
<b>Public Info Code:</b> Y 03-DEC-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8070 / 7956	DEF AT local marker floral increase	DEF AT
8760 / 8621	POS IN Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT
9350 / 9200	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 778	<b>Date of Summary:</b> 26-MAR-2008	<b>First Sample Examined:</b> 12930
<b>Lease Number:</b> G19175	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23972
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23082
<b>API Well Number:</b> 608074028900	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12930 - 23972	<b>Water Depth:</b> 3800
<b>Public Info Code:</b> Y 19-AUG-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Clearwater Prospect, calcareous nannofossil report done by Morin Biostratigraphic Services, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12930 /12929	DEF AT first sample examined	DEF AT
12931 /12930	DEF IN gouge	DEF AT
13530 /13529	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14700 /14688	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17070 /16840	DEF AT local marker floral increase	DEF AT
17190 /16948	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17250 /17003	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17910 /17599	DEF AT local marker floral increase	DEF AT
17940 /17626	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
18600 /18223	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18960 /18549	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
19410 /18955	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
19530 /19064	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19890 /19389	DEF AT local marker floral increase	DEF AT
20460 /19905	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20550 /19986	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
21040 /20429	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
21130 /20511	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21250 /20619	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21670 /20999	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
21790 /21108	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 778  
Lease Number: G19175  
Well Name: 001  
API Well Number: 608074028900  
Paleo Report Num: 1 of 2  
Public Info Code: Y 19-AUG-2008

Date of Summary: 26-MAR-2008  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 12930 - 23972  
Ecozone Eq MMS:

First Sample Examined: 12930  
Borehole MD: 23972  
Borehole TVD: 23082  
Rkb Elevation: 82  
Water Depth: 3800  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21940 /21243	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
21970 /21270	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22360 /21623	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22450 /21705	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22630 /21868	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22750 /21976	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
22809 /22030	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
22810 /22031	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22899 /22111	DEF AT condensed section	DEF AT
22900 /22112	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23972 /23082	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 778	Date of Summary: 08-APR-2008	First Sample Examined: 12930
Lease Number: G19175	Source of Paleo: OPERATOR	Borehole MD: 23972
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23082
API Well Number: 608074028900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12930 - 23972	Water Depth: 3800
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Clearwater Prospect, paleo done by Ragan Biostrat

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12930 /12929	DEF AT first sample examined	DEF AT 5
12931 /12930	DEF IN gouge	DEF AT 5
13320 /13319	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
13350 /13349	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
13500 /13499	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
13950 /13949	DEF AT local marker foram decrease	DEF AT 5
14430 /14426	DEF AT local marker planktic foram increase	DEF AT 4
14670 /14659	DEF AT local marker planktic foram increase	DEF AT 5
14820 /14803	DEF AT local marker foram decrease	DEF AT 5
15960 /15838	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16110 /15973	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16140 /16000	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
16170 /16027	DEF AT local marker foram decrease	DEF AT 4
16440 /16270	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
17100 /16867	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
17190 /16948	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
18330 /17979	DEF AT foram flood	DEF AT 5
18390 /18033	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
18510 /18142	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
18570 /18196	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19080 /18657	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
19110 /18684	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 778	<b>Date of Summary:</b> 08-APR-2008	<b>First Sample Examined:</b> 12930
<b>Lease Number:</b> G19175	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23972
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23082
<b>API Well Number:</b> 608074028900	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12930 - 23972	<b>Water Depth:</b> 3800
<b>Public Info Code:</b> Y 19-AUG-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19380 /18928	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
20070 /19552	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
20610 /20040	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
21010 /20402	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
21070 /20456	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
21190 /20565	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
21220 /20592	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
21670 /20999	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21910 /21216	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
21940 /21243	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
22510 /21759	DEF AT local marker planktic foram increase	DEF AT 5
22599 /21840	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
22600 /21841	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 5
22660 /21895	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
22690 /21922	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
22780 /22003	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
22840 /22058	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22870 /22085	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
22899 /22111	DEF AT foram flood	DEF AT 5
22900 /22112	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22960 /22166	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
23050 /22248	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
23080 /22275	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
23110 /22302	DEF AT local marker foram decrease	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 778  
 Lease Number: G19175  
 Well Name: 001  
 API Well Number: 608074028900  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 19-AUG-2008

Date of Summary: 08-APR-2008  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 12930 - 23972  
 Ecozone Eq MMS: Y

First Sample Examined: 12930  
 Borehole MD: 23972  
 Borehole TVD: 23082  
 Rkb Elevation: 82  
 Water Depth: 3800  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23350 /22519	DEF AT local marker benthic foram increase	DEF AT 4
23500 /22655	DEF AT local marker deep water fauna	DEF AT 5
23972 /23082	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 782	<b>Date of Summary:</b> 01-APR-2000	<b>First Sample Examined:</b> 7220
<b>Lease Number:</b> G20797	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16616
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 15717
<b>API Well Number:</b> 608074021500	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7220 - 16616	<b>Water Depth:</b> 4642
<b>Public Info Code:</b> Y 01-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 10281=Crenolithus domicoides and Helicosphaera colombiana also present, 15240=Reticulofenestra asanoi

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7220 / 7220	DEF AT first sample examined	DEF AT
7520 / 7520	DEF AT local marker floral increase	DEF AT
7521 / 7521	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
7610 / 7610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7820 / 7820	DEF AT local marker floral increase	DEF AT
7850 / 7850	DEF AT reworked material	DEF AT
8360 / 8360	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9530 / 9530	POS AT local marker floral increase	DEF AT
9650 / 9650	DEF AT local marker floral increase	DEF AT
9770 / 9770	POS AT local marker floral increase	DEF AT
10280 /10280	DEF AT local marker floral increase	DEF AT
10281 /10281	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10430 /10430	DEF AT local marker floral increase	DEF AT
10640 /10640	DEF AT local marker floral increase	DEF AT
12870 /12844	DEF AT local marker floral increase	DEF AT
12900 /12871	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
15240 /14685	DEF AT local marker floral increase	DEF AT
15510 /14889	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15840 /15139	POS AT local marker floral increase	DEF AT
16050 /15297	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16616 /15717	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 782	Date of Summary: 01-JUL-2000	First Sample Examined: 15980
Lease Number: G20797	Source of Paleo: OPERATOR	Borehole MD: 21296
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 18276
API Well Number: 608074021505	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 15980 - 21296	Water Depth: 4642
Public Info Code: Y 01-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15980 /14834	DEF AT first sample examined	DEF AT
16050 /14881	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16370 /15097	DEF AT local marker floral increase	DEF AT
16670 /15297	DEF AT local marker floral increase	DEF AT
18770 /16659	DEF AT local marker floral increase	DEF AT
19460 /17098	DEF AT local marker floral increase	DEF AT
19640 /17214	DEF AT local marker floral increase	DEF AT
20660 /17865	DEF AT reworked material	DEF AT
21296 /18276	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 782	<b>Date of Summary:</b> 01-AUG-2000	<b>First Sample Examined:</b> 12850
<b>Lease Number:</b> G20797	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20305
<b>Well Name:</b> 002	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 20297
<b>API Well Number:</b> 608074021801	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12850 - 20305	<b>Water Depth:</b> 4528
<b>Public Info Code:</b> Y 01-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12850 /12850	DEF AT first sample examined	DEF AT
13540 /13539	DEF AT local marker floral increase	DEF AT
15940 /15939	DEF AT local marker floral increase	DEF AT
16090 /16089	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16930 /16928	DEF AT local marker floral increase	DEF AT
17770 /17768	DEF AT local marker floral increase	DEF AT
20305 /20297	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-MAY-1999	First Sample Examined: 6850
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 16867
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16861
API Well Number: 608074019500	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 3	Sample Range: 6850 - 16868	Water Depth: 4668
Public Info Code: Y 02-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Magnolia Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6850 / 6849	DEF AT first sample examined	DEF AT 5
6851 / 6850	DEF AT Holocene Globorotalia inflata	DEF AT 5
6910 / 6909	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7030 / 7029	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7630 / 7629	DEF AT local marker foram decrease	DEF AT 4
8230 / 8229	DEF AT faunal change (no faunal increase)	POS AT 4
9422 / 9421	DEF AT faunal change (no faunal increase)	DEF AT 4
9970 / 9969	DEF AT local marker foram increase	DEF AT 5
10029 /10028	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
10030 /10029	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10630 /10629	DEF AT local marker foram decrease	DEF AT 4
12070 /12068	DEF AT local marker foram increase	DEF IN 4
12250 /12248	DEF AT faunal change (no faunal increase)	DEF AT 4
13150 /13148	DEF AT reworked material	DEF AT 4
13270 /13268	DEF AT local marker foram increase	DEF AT 5
13480 /13478	DEF AT local marker foram increase	DEF AT 5
13720 /13718	DEF AT faunal change (no faunal increase)	POS AT 4
13990 /13988	DEF AT faunal change (no faunal increase)	DEF AT 4
14050 /14048	DEF AT faunal change (no faunal increase)	DEF AT 5
14110 /14108	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
14320 /14318	DEF AT faunal change (no faunal increase)	POS AT 5
14449 /14447	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783  
Lease Number: G11573  
Well Name: A001  
API Well Number: 608074019500  
Paleo Report Num: 1 of 3  
Public Info Code: Y 02-JUN-2009

Date of Summary: 01-MAY-1999  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: CONOCO INC  
Sample Range: 6850 - 16868  
Ecozone Eq MMS: Y

First Sample Examined: 6850  
Borehole MD: 16867  
Borehole TVD: 16861  
Rkb Elevation: 79  
Water Depth: 4668  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15070 /15068	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
15170 /15168	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5
15240 /15238	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
15330 /15328	DEF AT faunal change (no faunal increase)	DEF AT 6
15370 /15367	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
15390 /15387	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
15430 /15427	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
15450 /15447	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
15470 /15467	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 6
15490 /15487	DEF AT gouge	DEF AT 6
15530 /15527	DEF AT sample gap top	POS AT 6
16069 /16066	DEF AT sample gap bottom	DEF IN 6
16070 /16067	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 6
16140 /16137	DEF AT sample gap top	DEF IN 6
16150 /16147	DEF AT out-of-place section	POS IN 6
16780 /16775	DEF AT Pliocene	DEF AT 4
16810 /16805	DEF AT Lower Oligocene (Rupelian) Textularia mississippiensis seligi	DEF AT 5
16840 /16834	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT 6
16868 /	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-MAY-1999	<b>First Sample Examined:</b> 6850
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16867
<b>Well Name:</b> A001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16861
<b>API Well Number:</b> 608074019500	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 6850 - 12430	<b>Water Depth:</b> 4668
<b>Public Info Code:</b> Y 02-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Magnolia Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6850 / 6849	DEF AT first sample examined	DEF AT
6970 / 6969	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9580 / 9579	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10030 /10029	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
10660 /10659	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10661 /10660	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12040 /12038	DEF AT local marker floral increase	DEF AT
12430 /12428	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-MAY-1999	<b>First Sample Examined:</b> 12460
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16867
<b>Well Name:</b> A001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16861
<b>API Well Number:</b> 608074019500	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 12160 - 16868	<b>Water Depth:</b> 4668
<b>Public Info Code:</b> Y 02-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Magnolia Prospect, calcareous nannofossil report for bypass, 16070=NP17, the sample at 16780 was a mixture of Upper Miocene to Upper Upper Oligocene and rare Eocene nannofossils - the Upper and Middle Miocene specimens are interpreted to be caved, the section below 16810 contains an Upper Oligocene assemblage from the nannofossil zone NP25 - since the Upper Oligocene has been found to be associated with a number of other salt bodies in the Garden Banks area, it is interpreted to be salt-related, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12460 /12458	DEF AT first sample examined	DEF AT
13270 /13268	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14110 /14108	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15070 /15068	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15130 /15128	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
15330 /15328	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15369 /15366	DEF AT condensed section	DEF AT
15370 /15367	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15371 /15368	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15430 /15427	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15450 /15447	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15470 /15467	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15500 /15497	DEF AT salt	DEF AT
16070 /16067	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
16150 /16147	DEF AT gouge	DEF AT
16170 /16167	DEF AT salt	DEF AT
16860 /16854	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-JUN-2001	First Sample Examined: 13500
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 16930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16289
API Well Number: 608074019501	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13500 - 16928	Water Depth: 4674
Public Info Code: Y 12-JUL-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Magnolia Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13430	DEF AT first sample examined	DEF AT
13501 /13431	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13550 /13474	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13820 /13703	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
13970 /13829	DEF AT reworked material	DEF AT
14480 /14250	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
16160 /15641	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16220 /15691	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16460 /15893	DEF AT condensed section	DEF AT
16490 /15919	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16580 /15995	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16790 /16171	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16805 /16184	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16928 /16287	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-JUN-2001	First Sample Examined: 13500
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 16930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16289
API Well Number: 608074019501	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13500 - 16670	Water Depth: 4674
Public Info Code: Y 12-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Magnolia Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13430	DEF AT first sample examined	DEF AT 5
13501 /13431	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
13550 /13474	DEF AT -----	DEF AT 4
13730 /13627	DEF AT -----	DEF IN 3
14150 /13977	DEF AT -----	DEF AT 4
14450 /14225	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
14570 /14325	DEF AT local marker foram decrease	POS AT 4
16160 /15641	DEF AT -----	DEF AT 5
16190 /15666	DEF AT local marker foram increase	DEF AT 5
16220 /15691	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
16250 /15716	DEF AT local marker planktic foram increase	DEF AT 6
16310 /15767	DEF AT -----	DEF AT 4
16490 /15919	DEF AT -----	DEF AT 5
16549 /15969	DEF AT condensed section	DEF AT 5
16550 /15970	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
16580 /15995	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16610 /16020	DEF AT local marker foram increase	DEF AT 6
16670 /16071	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-JUL-2001	<b>First Sample Examined:</b> 16364
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17940
<b>Well Name:</b> A001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17096
<b>API Well Number:</b> 608074019502	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16364 - 17940	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 09-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Magnolia Prospect, 17550=Glomospira charoides acme, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16364 /15794	DEF AT first sample examined	DEF AT
16365 /15795	DEF IN Holocene recent fauna	DEF AT
16500 /15906	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
16530 /15930	DEF AT local marker foram increase	DEF AT 5
16590 /15980	DEF AT - - - - -	POS AT 4
16710 /16079	DEF AT - - - - -	DEF AT 4
16769 /16128	DEF AT reworked material	DEF AT 4
16770 /16129	POS AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 4
16800 /16154	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
16890 /16230	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17010 /16330	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
17039 /16355	POS AT condensed section	DEF AT 5
17040 /16355	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
17130 /16430	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
17250 /16530	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17460 /16701	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
17520 /16751	DEF AT reworked material	DEF AT 5
17549 /16775	POS AT condensed section	DEF AT 6
17550 /16775	DEF AT local marker foram increase	DEF AT 6
17610 /16825	DEF AT reworked material	DEF AT 6
17730 /16924	DEF AT - - - - -	DEF AT 5
17820 /16997	DEF AT reworked material	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-JUL-2001	<b>First Sample Examined:</b> 16364
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17940
<b>Well Name:</b> A001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17096
<b>API Well Number:</b> 608074019502	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16364 - 17940	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 09-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17940 /17096	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-AUG-2001	First Sample Examined: 16364
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 17940
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17096
API Well Number: 608074019502	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 16364 - 17940	Water Depth: 4674
Public Info Code: Y 09-AUG-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Magnolia Prospect, calcareous nannofossil report, 17820=Oligocene NP25 zone, 17850=Oligocene/Middle Miocene mixture, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16364 /15794	DEF AT first sample examined	DEF AT
16530 /15930	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
16560 /15955	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
16860 /16205	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
16890 /16230	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17010 /16330	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17099 /16405	DEF AT condensed section	DEF AT
17100 /16405	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17130 /16430	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17160 /16455	DEF AT reworked material	DEF AT
17190 /16480	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
17220 /16505	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
17250 /16530	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17280 /16554	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17340 /16603	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17370 /16628	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
17400 /16652	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17430 /16677	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17490 /16726	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17550 /16775	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
17580 /16800	DEF AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-AUG-2001	<b>First Sample Examined:</b> 16364
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17940
<b>Well Name:</b> A001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17096
<b>API Well Number:</b> 608074019502	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16364 - 17940	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 09-AUG-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17640 /16850	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17670 /16875	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17820 /16997	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
17821 /16998	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
17850 /17022	DEF AT out-of-place section	DEF AT
17910 /17071	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-APR-2006	First Sample Examined: 14870
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 17735
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16805
API Well Number: 608074019503	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 171
Paleo Report Num: 1 of 2	Sample Range: 14870 - 17630	Water Depth: 4674
Public Info Code: Y 27-MAY-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Magnolia Prospect, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14870 /14638	DEF AT first sample examined	DEF AT
15590 /15309	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
15830 /15516	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15859 /15540	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15860 /15541	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
15950 /15615	POS AT reworked material	DEF AT
16100 /15732	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
16490 /16013	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
16640 /16109	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
17000 /16338	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17118 /16413	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
17119 /16414	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
17120 /16415	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17150 /16434	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
17180 /16453	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17210 /16472	DEF AT local marker floral increase	DEF AT
17240 /16491	DEF AT local marker floral increase	DEF AT
17270 /16510	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
17330 /16548	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
17360 /16567	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
17450 /16625	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17480 /16644	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-APR-2006	<b>First Sample Examined:</b> 14870
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17735
<b>Well Name:</b> A001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16805
<b>API Well Number:</b> 608074019503	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 171
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14870 - 17630	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 27-MAY-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17600 /16720	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17630 /16739	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-MAY-2006	First Sample Examined: 14870
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 17735
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16805
API Well Number: 608074019503	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 171
Paleo Report Num: 2 of 2	Sample Range: 14870 - 17630	Water Depth: 4674
Public Info Code: Y 27-MAY-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Magnolia Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14870 /14638	DEF AT first sample examined	DEF AT
15859 /15540	DEF AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	POS AT 6
15860 /15541	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia crassula</i> (acme)	POS AT 6
15980 /15639	DEF AT - - - - -	DEF AT 5
16489 /16012	DEF IN Upper Pliocene (Gelasian) <i>Bolivina impercata</i> / "P"	DEF IN 3
16490 /16013	DEF AT Upper Pliocene (Gelasian) <i>Textularia crassisepta</i> / "P"	DEF IN 3
17000 /16338	DEF AT Upper Pliocene (Piacenzian) <i>Globorotalia multicamerata</i>	DEF AT 5
17030 /16357	DEF AT Upper Pliocene (Piacenzian) <i>Sphaeroidinellopsis seminulina</i>	DEF AT 5
17149 /16433	DEF IN Lower Pliocene (Zanclian) <i>Cibicides marsi</i>	DEF AT 6
17150 /16434	DEF AT Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF AT 6
17178 /16452	DEF AT local marker foram decrease	DEF AT 6
17179 /16452	DEF IN Lower Pliocene (Zanclian) <i>Globigerina druyi</i> / nepenthes "B"	DEF AT 6
17180 /16453	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 6
17300 /16529	DEF AT local marker benthic foram increase	DEF AT 6
17419 /16605	DEF IN Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF AT 5
17420 /16605	POS AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF AT 5
17630 /16739	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-OCT-2000	First Sample Examined: 13280
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20339
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17513
API Well Number: 608074022200	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13280 - 20339	Water Depth: 4674
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Magnolia Prospect, calcareous nannofossil report, 17930=Gephyrocapsa margerelli increase, 20243=Reticulofenestra minutula haqii increase, 20331=Reticulofenestra minutula haqii acme, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13280 /11682	DEF AT first sample examined	DEF AT
13460 /11785	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
14240 /12230	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14300 /12264	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14600 /12435	DEF AT reworked material	DEF AT
14630 /12453	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
14660 /12470	DEF AT reworked material	DEF AT
14690 /12487	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
16580 /13830	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16820 /14043	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
17930 /15107	DEF AT local marker floral increase	DEF AT
19340 /16515	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19370 /16545	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
19580 /16755	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
19610 /16785	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
19640 /16815	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19670 /16845	DEF AT local marker floral increase	DEF AT
19730 /16905	DEF AT reworked material	DEF AT
20119 /17293	POS AT condensed section	DEF AT
20120 /17294	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20240 /17414	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-OCT-2000	<b>First Sample Examined:</b> 13280
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20339
<b>Well Name:</b> A002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17513
<b>API Well Number:</b> 608074022200	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13280 - 20339	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 14-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20243 /17417	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
20321 /17495	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20322 /17496	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
20330 /17504	DEF AT Lower Pliocene (Zanclian) Ceratolithus armatus	DEF AT
20331 /17505	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20332 /17506	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-OCT-2000	First Sample Examined: 13280
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20339
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17513
API Well Number: 608074022200	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13280 - 20339	Water Depth: 4674
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Magnolia Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13280 /11682	DEF AT first sample examined	DEF AT
14239 /12229	POS AT condensed section	DEF AT 5
14240 /12230	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
14241 /12230	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
14300 /12264	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
14480 /12367	DEF AT -----	DEF AT 4
14630 /12453	DEF AT local marker foram increase	DEF AT 5
15080 /12724	DEF AT -----	POS AT 4
15140 /12763	DEF AT local marker foram decrease	POS AT 4
15260 /12841	DEF AT -----	DEF AT 0
16340 /13627	DEF AT -----	POS AT 4
16400 /13677	POS AT local marker foram increase	POS AT 4
16760 /13989	DEF AT local marker foram increase	DEF AT 5
17120 /14320	DEF AT -----	POS AT 4
17480 /14665	DEF AT cement	DEF AT
17780 /14959	DEF AT -----	POS AT 4
17900 /15077	DEF AT -----	POS AT 5
18020 /15196	DEF AT -----	POS AT 4
18260 /15435	DEF AT -----	DEF AT 0
19340 /16515	DEF AT local marker foram increase	DEF AT 6
19400 /16575	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
19460 /16635	DEF AT -----	POS AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-OCT-2000	<b>First Sample Examined:</b> 13280
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20339
<b>Well Name:</b> A002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17513
<b>API Well Number:</b> 608074022200	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13280 - 20339	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 14-NOV-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19580 /16755	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	POS AT 5
19640 /16815	POS AT reworked material	DEF AT 6
19700 /16875	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 6
19730 /16905	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
19760 /16935	DEF AT -----	DEF AT 5
19790 /16965	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
19970 /17145	DEF AT -----	DEF AT 4
20090 /17264	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
20120 /17294	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
20179 /17353	POS AT condensed section	DEF AT 6
20180 /17354	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
20209 /17383	POS AT condensed section	DEF AT 6
20210 /17384	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
20270 /17444	DEF AT -----	DEF AT 5
20300 /17474	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
20339 /17513	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-DEC-2000	<b>First Sample Examined:</b> 17405
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21892
<b>Well Name:</b> A002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16813
<b>API Well Number:</b> 608074022201	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17405 - 21892	<b>Water Depth:</b> 4673
<b>Public Info Code:</b> Y 03-DEC-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Magnolia Prospect, calcareous nannofossil report, 18120=Gephyrocapsa margerelli increase

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17405 /14592	DEF AT first sample examined	DEF AT
17820 /14971	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
18120 /15186	DEF AT local marker floral increase	DEF AT
21540 /16614	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
21541 /16615	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
21600 /16647	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
21660 /16679	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
21720 /16713	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
21780 /16747	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21840 /16782	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21892 /16813	DEF AT last sample examined	DEF AT

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End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-DEC-2000	First Sample Examined: 17405
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 21892
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16813
API Well Number: 608074022201	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 17405 - 21892	Water Depth: 4673
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Magnolia Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17405 /14592	DEF AT first sample examined	POS AT 4
17406 /14593	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	POS AT 4
17700 /14870	DEF AT faunal change (no faunal increase)	DEF AT 4
17820 /14971	DEF AT reworked material	POS AT 4
18120 /15186	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
18360 /15311	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
18600 /15408	POS AT local marker foram increase	DEF AT 4
18900 /15527	DEF AT reworked material	DEF AT 4
19860 /15887	DEF AT reworked material	DEF AT 4
21540 /16614	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
21600 /16647	DEF AT foram flood	DEF AT 6
21659 /16679	POS AT condensed section	DEF AT 6
21660 /16679	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
21661 /16680	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
21892 /16813	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 05-APR-2001	First Sample Examined: 14608
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 24200
Well Name: A003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19253
API Well Number: 608074022900	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 14608 - 24200	Water Depth: 4674
Public Info Code: Y 16-JUN-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Magnolia Prospect, calcareous nannofossil report, 17680=Gephyrocapsa margerelli increase, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14608 /12841	DEF AT first sample examined	DEF AT
14770 /12945	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
16750 /14242	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16780 /14262	DEF AT local marker floral increase	DEF AT
17020 /14424	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
17680 /14869	DEF AT local marker floral increase	DEF AT
19030 /15778	POS AT reworked material	DEF AT
23320 /18625	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
23350 /18647	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
24190 /19246	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-MAY-2001	<b>First Sample Examined:</b> 14608
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24200
<b>Well Name:</b> A003	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19253
<b>API Well Number:</b> 608074022900	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14608 - 24200	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 16-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Magnolia Prospect, 18640—one specimen of Charoides with associated faunal pulse, faunas in this well are poorly developed except for a few pulses, probably due to either rapid deposition and/or adverse drilling conditions (high angle hole, mud additives, etc), foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14608 /12841	DEF AT first sample examined	DEF AT 4
16570 /14121	DEF AT - - - - -	POS AT 4
16750 /14242	DEF AT local marker foram increase	DEF AT 6
16778 /14260	DEF AT condensed section	DEF AT 6
16779 /14261	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
16780 /14262	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
16840 /14302	DEF AT local marker planktic foram increase	DEF AT 6
16900 /14343	DEF AT - - - - -	DEF AT 5
17320 /14626	DEF AT local marker foram increase	DEF AT 5
17380 /14667	DEF AT - - - - -	DEF AT 4
17800 /14950	DEF AT local marker foram decrease	DEF AT 4
18640 /15514	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
19300 /15964	DEF AT local marker foram decrease	DEF AT 4
23260 /18582	POS AT local marker foram increase	DEF AT 4
23320 /18625	DEF AT - - - - -	DEF AT 5
23350 /18647	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
23560 /18797	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5
23620 /18840	DEF AT - - - - -	DEF AT 4
23860 /19012	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
23950 /19076	DEF AT - - - - -	POS AT 4

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End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-MAY-2001	<b>First Sample Examined:</b> 14608
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24200
<b>Well Name:</b> A003	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19253
<b>API Well Number:</b> 608074022900	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14608 - 24200	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 16-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24200 /19253	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-OCT-2001	First Sample Examined: 13770
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20562
Well Name: A003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17122
API Well Number: 608074022901	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13770 - 20562	Water Depth: 4674
Public Info Code: Y 15-NOV-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Magnolia Prospect, calcareous nannofossil report, age at the bottom of the well (below 20490) is highly interpretative, see detailed report for discussion of that section, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13770 /12290	DEF AT first sample examined	DEF AT
13920 /12391	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
16320 /14096	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
17040 /14615	DEF AT local marker floral increase	DEF AT
17700 /15082	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
20400 /17004	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20430 /17026	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
20490 /17069	DEF AT reworked material	DEF AT
20520 /17091	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
20550 /17113	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-NOV-2001	First Sample Examined: 13770
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20562
Well Name: A003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17122
API Well Number: 608074022901	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13770 - 20562	Water Depth: 4674
Public Info Code: Y 15-NOV-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Magnolia Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13770 /12290	DEF AT first sample examined	DEF AT 4
13918 /12390	POS AT unconformity	DEF AT 4
13919 /12390	POS AT condensed section	DEF AT 4
13920 /12391	POS IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
14040 /12473	DEF AT -----	DEF AT 4
14280 /12639	DEF AT -----	DEF AT 0
16140 /13968	DEF AT -----	DEF AT 4
16260 /14053	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
16320 /14096	DEF AT -----	DEF AT 5
16680 /14356	DEF AT -----	DEF AT 4
17220 /14743	DEF AT -----	DEF AT 0
17730 /15103	DEF AT -----	DEF AT 4
17910 /15229	DEF AT -----	DEF AT 0
18030 /15314	DEF AT -----	DEF AT 4
18150 /15400	DEF AT -----	DEF AT 0
19230 /16169	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
19290 /16211	DEF AT -----	DEF AT 0
20430 /17026	DEF AT local marker foram increase	DEF AT 5
20550 /17113	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 6
20562 /17122	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-JAN-2006	<b>First Sample Examined:</b> 19170
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20580
<b>Well Name:</b> A003	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17188
<b>API Well Number:</b> 608074022903	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 171
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19170 - 20580	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 20-FEB-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Magnolia Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19170 /16004	DEF AT first sample examined	DEF AT
20250 /16907	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
20429 /17060	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 6
20430 /17060	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
20458 /17084	DEF AT pyrite	DEF AT 6
20459 /17085	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
20460 /17086	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
20489 /17111	DEF AT pyrite	DEF AT 6
20490 /17112	DEF AT local marker foram decrease	DEF AT 6
20550 /17163	DEF AT pyrite	DEF AT 6
20580 /17188	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-JAN-2006	First Sample Examined: 19170
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20580
Well Name: A003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17188
API Well Number: 608074022903	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 171
Paleo Report Num: 2 of 2	Sample Range: 19170 - 20580	Water Depth: 4674
Public Info Code: Y 20-FEB-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Magnolia Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19170 /16004	DEF AT first sample examined	DEF AT
20010 /16702	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
20250 /16907	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
20309 /16957	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
20310 /16958	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
20430 /17060	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
20460 /17086	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
20490 /17112	DEF AT reworked material	DEF AT
20520 /17137	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20580 /17188	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-APR-2003	<b>First Sample Examined:</b> 14790
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21310
<b>Well Name:</b> A004	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16108
<b>API Well Number:</b> 608074024500	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14790 - 21300	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 04-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Magnolia Prospect, calcareous nannofossil report, 17550=Gephyrocapsa margerelli increase, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14790 /12447	DEF AT first sample examined	DEF AT
14820 /12464	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14850 /12482	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
17220 /13861	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
17250 /13874	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17370 /13925	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
17550 /14001	DEF AT local marker floral increase	DEF AT
17670 /14052	DEF AT reworked material	DEF AT
18180 /14280	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
20220 /15393	DEF AT reworked material	DEF AT
20370 /15491	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20399 /15510	DEF AT maximum flooding surface	DEF AT
20400 /15510	DEF AT local marker floral decrease	DEF AT
21300 /16101	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-MAY-2003	First Sample Examined: 14790
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 21310
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16108
API Well Number: 608074024500	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 14790 - 21310	Water Depth: 4674
Public Info Code: Y 04-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Magnolia Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14790 /12447	DEF AT first sample examined	DEF AT 4
14850 /12482	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
15210 /12695	DEF AT -----	POS AT 4
17190 /13848	DEF AT -----	DEF AT 5
17220 /13861	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
17490 /13976	DEF AT -----	DEF AT 4
17730 /14078	DEF AT -----	DEF AT 5
17910 /14159	POS AT local marker foram decrease	DEF AT 4
18030 /14213	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
18450 /14403	DEF AT -----	POS AT 4
19260 /14803	DEF AT -----	DEF AT 4
19350 /14849	DEF AT -----	POS AT 4
19590 /14984	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 4
19830 /15135	DEF AT -----	DEF AT 4
20250 /15413	DEF AT -----	POS AT 4
21310 /16108	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-NOV-2003	First Sample Examined: 19950
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 21670
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16380
API Well Number: 608074024501	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 19950 - 21670	Water Depth: 4674
Public Info Code: Y 24-NOV-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Magnolia Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19950 /15385	DEF AT first sample examined	DEF AT
19951 /15385	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
20430 /15644	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20790 /15846	DEF AT sample gap top	DEF AT
20940 /15937	DEF AT sample gap bottom	DEF AT
21600 /16338	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
21670 /16380	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-NOV-2003	First Sample Examined: 19950
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 21670
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16380
API Well Number: 608074024501	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 19950 - 21670	Water Depth: 4674
Public Info Code: Y 24-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Magnolia Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19950 /15385	DEF AT first sample examined	DEF AT 5
19951 /15385	POS IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
20190 /15510	DEF AT local marker foram decrease	DEF AT 4
21599 /16338	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
21600 /16338	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
21670 /16380	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-AUG-2003	<b>First Sample Examined:</b> 18870
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20866
<b>Well Name:</b> A005	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16372
<b>API Well Number:</b> 608074024600	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18870 - 20850	<b>Water Depth:</b> 4675
<b>Public Info Code:</b> Y 09-SEP-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Magnolia Prospect, calcareous nannofossil report, based on the consistent occurrence of Pseudoemiliana ovata in the first few samples and on the general succession of events in the Magnolia area, the Uppermost samples are from below Event 14b (Applied Biostratigraphix Gulf of Mexico biostratigraphy chart, p lacunosa increase), From 19050 to 20790 the samples are essentially barren of in-place nannofossils, The well is still above the Calcidiscus macintyreii top (Event 15) since the last 2 samples contains a few in-place forms similar to those found in the Uppermost samples, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18870 /15263	DEF AT first sample examined	DEF AT
18871 /15263	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
20250 /16028	DEF AT reworked material	DEF AT
20820 /16344	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 01-OCT-2003	<b>First Sample Examined:</b> 18870
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20866
<b>Well Name:</b> A005	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16372
<b>API Well Number:</b> 608074024600	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18870 - 20820	<b>Water Depth:</b> 4675
<b>Public Info Code:</b> Y 09-SEP-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Magnolia Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18870 /15263	DEF AT first sample examined	DEF AT 4
18930 /15298	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
19110 /15406	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
20250 /16028	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 4
20790 /16326	POS AT local marker foram increase	DEF AT 4
20820 /16344	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-OCT-2003	First Sample Examined: 16800
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 18666
Well Name: A006	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15711
API Well Number: 608074024700	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 16800 - 18660	Water Depth: 4674
Public Info Code: Y 16-OCT-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Magnolia Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16800 /14215	DEF AT first sample examined	POS AT 5
17640 /14797	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	POS AT 5
17730 /14871	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
17970 /15074	DEF AT local marker foram increase	DEF AT 5
17999 /15099	DEF AT condensed section	DEF AT 5
18000 /15100	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
18030 /15126	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18090 /15179	DEF AT local marker foram increase	DEF AT 6
18120 /15206	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
18180 /15260	POS AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 6
18240 /15314	DEF AT -----	DEF AT 5
18330 /15396	DEF AT -----	DEF IN 4
18480 /15535	DEF AT -----	DEF AT 5
18600 /15649	DEF AT -----	DEF AT 4
18660 /15705	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-OCT-2003	First Sample Examined: 16800
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 18666
Well Name: A006	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15711
API Well Number: 608074024700	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 16800 - 18660	Water Depth: 4674
Public Info Code: Y 16-OCT-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Magnolia Prospect, calcareous nannofossil report, Upper Pliocene section is very condensed, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16800 /14215	DEF AT first sample examined	DEF AT
16801 /14215	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
17280 /14523	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17760 /14895	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17790 /14920	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
17940 /15048	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
18000 /15100	DEF AT local marker floral increase	DEF AT
18060 /15153	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
18090 /15179	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18599 /15648	POS AT reworked material	DEF AT
18600 /15649	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18630 /15677	POS AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
18660 /15705	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-MAR-2003	First Sample Examined: 15625
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: A009	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18364
API Well Number: 608074025000	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 15625 - 23000	Water Depth: 4674
Public Info Code: Y 13-MAR-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Magnolia Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15625 /13515	DEF AT first sample examined	DEF AT
15840 /13668	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
16320 /14002	DEF AT reworked material	DEF AT
16500 /14126	DEF AT reworked material	DEF AT
16560 /14167	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16590 /14188	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
18360 /15403	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
22770 /18208	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
22920 /18310	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
23000 /18364	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 13-MAY-2003	<b>First Sample Examined:</b> 15265
<b>Lease Number:</b> G11573	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23000
<b>Well Name:</b> A009	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18364
<b>API Well Number:</b> 608074025000	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15265 - 23000	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 13-MAR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Magnolia Prospect, 16500=Cibicides mundulus, 18360=Glomospira charoides, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15265 /13255	DEF AT first sample examined	POS AT 4
15960 /13752	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
16440 /14084	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
16441 /14085	DEF AT local marker benthic foram increase	DEF AT 4
16470 /14105	DEF AT -----	DEF AT 6
16500 /14126	DEF AT local marker foram increase	DEF AT 6
16680 /14249	DEF AT -----	DEF AT 5
16800 /14331	DEF AT -----	DEF AT 4
17640 /14905	DEF AT -----	DEF AT 0
18000 /15155	DEF AT -----	DEF AT 4
18330 /15382	DEF AT -----	DEF AT 5
18360 /15403	DEF AT local marker foram increase	DEF AT 5
18480 /15487	DEF AT local marker planktic foram increase	DEF AT 5
18660 /15614	DEF AT -----	DEF AT 4
22020 /17744	DEF AT reworked material	POS AT 4
22740 /18188	DEF AT -----	DEF AT 4
22770 /18208	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
22920 /18310	DEF AT -----	DEF IN 5
22979 /18350	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
22980 /18351	DEF AT last sample examined	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 01-JAN-2003	First Sample Examined: 8040
Lease Number: G11574	Source of Paleo: OPERATOR	Borehole MD: 19863
Well Name: A008	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17966
API Well Number: 608074024900	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 8040 - 19862	Water Depth: 4674
Public Info Code: Y 01-FEB-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 13770=Lower Pleistocene Gephyrocapsa margerelli increase, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 8008	DEF AT first sample examined	DEF AT
8041 / 8009	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9660 / 9473	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
9780 / 9576	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
10080 / 9836	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12240 /11719	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13680 /13087	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17760 /16040	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
18480 /16626	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18840 /16964	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19860 /17963	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 783	Date of Summary: 03-MAY-2003	First Sample Examined: 8040
Lease Number: G11574	Source of Paleo: OPERATOR	Borehole MD: 19863
Well Name: A008	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17966
API Well Number: 608074024900	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 8040 - 19862	Water Depth: 4674
Public Info Code: Y 01-FEB-2013	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** A large expanded section is indicated by the thick interval between the increase in *Sphaeroidinella dehisces* (10081) and *Globorotalia incisa* (12240), foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 8008	DEF AT first sample examined	DEF AT 4
8041 / 8009	DEF IN Holocene <i>Globorotalia inflata</i>	DEF AT 4
9600 / 9422	DEF AT - - - - -	DEF AT 5
9660 / 9473	DEF AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 5
9840 / 9628	DEF AT - - - - -	DEF IN 4
10080 / 9836	DEF AT local marker foram increase	DEF AT 6
10081 / 9837	POS AT Lower Pleistocene (Calabrian) <i>Globorotalia incisa</i>	DEF AT 6
10680 /10356	DEF AT - - - - -	DEF IN 4
11520 /11084	DEF AT - - - - -	DEF AT 4
12240 /11719	DEF AT Lower Pleistocene (Calabrian) <i>Globorotalia incisa</i>	DEF AT 5
13230 /12650	DEF AT - - - - -	DEF AT 4
13650 /13058	DEF AT local marker foram increase	DEF IN 5
13950 /13347	DEF AT - - - - -	DEF AT 4
14610 /13957	DEF AT local marker foram increase	DEF AT 5
14730 /14059	POS AT local marker foram increase	DEF AT 5
15390 /14543	DEF AT - - - - -	DEF IN 4
17760 /16040	DEF AT local marker planktic foram increase	DEF AT 5
17940 /16169	DEF AT local marker planktic foram increase	DEF AT 5
17970 /16191	POS AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 5
18030 /16238	DEF AT local marker foram increase	DEF AT 5
18210 /16385	DEF AT local marker foram decrease	POS AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 783	<b>Date of Summary:</b> 03-MAY-2003	<b>First Sample Examined:</b> 8040
<b>Lease Number:</b> G11574	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19863
<b>Well Name:</b> A008	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17966
<b>API Well Number:</b> 608074024900	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8040 - 19862	<b>Water Depth:</b> 4674
<b>Public Info Code:</b> Y 01-FEB-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18450 /16598	DEF AT - - - - -	DEF AT 5
18480 /16626	DEF AT local marker foram increase	DEF AT 6
18510 /16654	POS AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 6
18570 /16709	DEF AT limestone	DEF AT 6
18660 /16794	DEF AT - - - - -	DEF AT 4
18720 /16851	DEF AT local marker foram decrease	DEF AT 4
19619 /17722	POS AT reworked material	DEF AT 4
19620 /17723	POS AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 4
19738 /17841	POS AT reworked material	DEF AT 4
19739 /17842	DEF AT pyrite	DEF AT 4
19740 /17843	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
19862 /17965	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 840	Date of Summary: 14-DEC-1998	First Sample Examined: 4970
Lease Number: G19191	Source of Paleo: OPERATOR	Borehole MD: 11024
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11024
API Well Number: 608074064900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4970 - 11010	Water Depth: 3500
Public Info Code: Y 19-DEC-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Vienna Prospect, 10920=Upper Cretaceous keeled planktic fauna may have been reworked during a basal Paleocene transgression

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4970 / 4970	DEF AT first sample examined	DEF IN 5
5240 / 5240	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
6680 / 6680	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 5
6860 / 6860	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7890 / 7890	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
8160 / 8160	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 5
8190 / 8190	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 5
8610 / 8610	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
8880 / 8880	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
9030 / 9030	DEF AT Lower Miocene (Aquitainian) Globigerina angulisuturalis	DEF IN 5
9120 / 9120	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
9360 / 9360	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
9510 / 9510	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 5
9570 / 9570	DEF AT Upper Eocene (Priabonian) Globigerinathea semiinvoluta	DEF AT 5
9750 / 9750	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
9930 / 9930	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
10080 /10080	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
10170 /10170	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 5
10290 /10290	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
10350 /10350	POS AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 5
10470 /10470	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
10623 /10623	POS AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 840	<b>Date of Summary:</b> 14-DEC-1998	<b>First Sample Examined:</b> 4970
<b>Lease Number:</b> G19191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11024
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11024
<b>API Well Number:</b> 608074064900	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4970 - 11010	<b>Water Depth:</b> 3500
<b>Public Info Code:</b> Y 19-DEC-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10740 /10740	DEF IN Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 5
10770 /10770	DEF IN Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT 5
10800 /10800	DEF IN Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT 5
10830 /10830	DEF IN Lower Paleocene (Danian) Globoconusa daubjergensis	DEF AT 5
10920 /10919	DEF AT Upper (Late) Cretaceous	DEF AT 5
10921 /10920	DEF AT reworked material	DEF AT 5
10922 /10921	DEF AT local marker planktic foram increase	DEF AT 5
10950 /10949	DEF AT Upper Cretaceous (Maastrichtian) Gansserina gansseri	DEF AT 4
11010 /11009	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 840	Date of Summary: 14-DEC-1998	First Sample Examined: 4970
Lease Number: G19191	Source of Paleo: OPERATOR	Borehole MD: 11024
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11024
API Well Number: 608074064900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 4970 - 11010	Water Depth: 3500
Public Info Code: Y 19-DEC-2002	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Vienna Prospect, calcareous nannofossil report, 9750=Micrantholithus inaequalis (NP16 zone), 10980=Arkhangelskiella cymbiformis with Prediscophaera cretacea and Micula stauripora

MD / TVD	Paleo Top Description	Ecozone
4970 / 4970	DEF AT first sample examined	DEF AT
5150 / 5150	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5420 / 5420	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6590 / 6590	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6680 / 6680	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6770 / 6770	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7490 / 7490	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
7590 / 7590	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7620 / 7620	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7830 / 7830	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
7920 / 7920	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
7980 / 7980	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8010 / 8010	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8100 / 8100	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8130 / 8130	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
8160 / 8160	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8190 / 8190	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
8820 / 8820	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
9060 / 9060	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
9120 / 9120	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
9180 / 9180	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 840	<b>Date of Summary:</b> 14-DEC-1998	<b>First Sample Examined:</b> 4970
<b>Lease Number:</b> G19191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11024
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11024
<b>API Well Number:</b> 608074064900	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4970 - 11010	<b>Water Depth:</b> 3500
<b>Public Info Code:</b> Y 19-DEC-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9240 / 9240	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
9420 / 9420	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
9480 / 9480	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
9540 / 9540	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
9750 / 9750	DEF AT Middle Eocene	DEF AT
9930 / 9930	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
10230 /10230	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
10350 /10350	POS AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
10470 /10470	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
10530 /10530	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
10650 /10650	DEF AT Upper (Late) Paleocene	DEF AT
10980 /10979	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	DEF AT
11010 /11009	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 873	Date of Summary: 11-APR-2007	First Sample Examined: 22300
Lease Number: G17456	Source of Paleo: OPERATOR	Borehole MD: 31831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31819
API Well Number: 608074028300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 22300 - 31831	Water Depth: 4705
Public Info Code: Y 22-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Tamara Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22300 /22299	DEF AT first sample examined	DEF AT
22301 /22300	DEF IN salt	DEF AT
22720 /22719	DEF AT out-of-place section	DEF AT
24070 /24069	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
24080 /24079	DEF AT base of salt	DEF AT
24100 /24099	DEF AT local marker floral increase	DEF AT
24189 /24188	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
24190 /24189	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
24400 /24399	DEF AT local marker floral increase	DEF AT
24700 /24699	DEF AT local marker floral increase	DEF AT
24910 /24909	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
25510 /25508	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25780 /25778	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
25960 /25958	DEF AT local marker floral increase	DEF AT
26740 /26738	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
26890 /26888	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
26950 /26948	DEF AT local marker floral increase	DEF AT
26980 /26978	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
27040 /27038	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
27130 /27128	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
27370 /27368	DEF AT floral flood	DEF AT
27550 /27548	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 873	<b>Date of Summary:</b> 11-APR-2007	<b>First Sample Examined:</b> 22300
<b>Lease Number:</b> G17456	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31831
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 31819
<b>API Well Number:</b> 608074028300	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22300 - 31831	<b>Water Depth:</b> 4705
<b>Public Info Code:</b> Y 22-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27760 /27758	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
27790 /27788	DEF AT local marker floral increase	DEF AT
28210 /28208	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
28389 /28386	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
28390 /28387	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
28420 /28417	DEF AT reworked material	DEF AT
28540 /28537	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
28990 /28987	DEF AT local marker floral increase	DEF AT
29320 /29316	DEF AT local marker floral decrease	DEF AT
29620 /29615	DEF AT local marker floral increase	DEF AT
30160 /30154	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
30220 /30214	DEF AT reworked material	DEF AT
30250 /30244	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
30399 /30392	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
30400 /30393	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
30490 /30483	POS AT reworked material	DEF AT
30518 /30511	POS AT unconformity	DEF AT
30519 /30512	POS AT fault	DEF AT
30520 /30513	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
30580 /30573	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
30790 /30782	DEF AT reworked material	DEF AT
30850 /30842	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
31000 /30991	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
31300 /31290	DEF AT local marker floral increase	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 873	<b>Date of Summary:</b> 11-APR-2007	<b>First Sample Examined:</b> 22300
<b>Lease Number:</b> G17456	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31831
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 31819
<b>API Well Number:</b> 608074028300	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22300 - 31831	<b>Water Depth:</b> 4705
<b>Public Info Code:</b> Y 22-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31420 /31410	DEF AT reworked material	DEF AT
31450 /31439	DEF AT local marker floral increase	DEF AT
31810 /31798	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 873	Date of Summary: 12-APR-2007	First Sample Examined: 22300
Lease Number: G17456	Source of Paleo: OPERATOR	Borehole MD: 31831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31819
API Well Number: 608074028300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 22300 - 31840	Water Depth: 4705
Public Info Code: Y 22-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Tamara Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22300 /22299	DEF AT first sample examined	DEF AT
22301 /22300	DEF IN salt	DEF AT
22720 /22719	DEF AT out-of-place section	DEF AT
23980 /23979	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
24010 /24009	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
24080 /24079	DEF AT base of salt	DEF AT
24160 /24159	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
24940 /24939	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
25479 /25477	DEF AT pyrite	DEF AT
25480 /25478	DEF AT Arenaceous fauna (local marker)	DEF AT
25660 /25658	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
25810 /25808	POS IN Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT
26740 /26738	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
26890 /26888	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
27100 /27098	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT
27370 /27368	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
27460 /27458	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
27760 /27758	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
27790 /27788	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
28449 /28446	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
28450 /28447	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
30250 /30244	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 873	<b>Date of Summary:</b> 12-APR-2007	<b>First Sample Examined:</b> 22300
<b>Lease Number:</b> G17456	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31831
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 31819
<b>API Well Number:</b> 608074028300	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22300 - 31840	<b>Water Depth:</b> 4705
<b>Public Info Code:</b> Y 22-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30520 /30513	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
31840 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 877	Date of Summary: 01-JUL-2009	First Sample Examined: 12880
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 17605
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16117
API Well Number: 608074029800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 12880 - 17605	Water Depth: 5330
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12880 /12310	DEF AT first sample examined	DEF AT 5
13539 /12896	POS AT maximum flooding surface	DEF AT 5
13540 /12896	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
13900 /13216	POS AT maximum flooding surface	DEF AT 5
14170 /13456	POS AT maximum flooding surface	DEF AT 5
14679 /13906	DEF AT out-of-place section	DEF AT 5
14680 /13907	POS AT salt weld	DEF AT 5
15158 /14326	POS AT maximum flooding surface	DEF AT 5
15159 /14327	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
15160 /14328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15220 /14378	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
15340 /14479	DEF AT -----	DEF AT 5
15490 /14603	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
16240 /15166	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
16540 /15376	POS AT maximum flooding surface	DEF AT 5
16810 /15563	DEF AT -----	DEF IN 5
16900 /15625	POS AT maximum flooding surface	DEF IN 5
17199 /15834	POS AT maximum flooding surface	DEF IN 5
17200 /15835	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
17229 /15855	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
17230 /15856	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
17350 /15939	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 01-JUL-2009	<b>First Sample Examined:</b> 12880
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17605
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16117
<b>API Well Number:</b> 608074029800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12880 - 17605	<b>Water Depth:</b> 5330
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17410 /15981	DEF AT -----	DEF AT 5
17605 /16117	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 877	Date of Summary: 30-AUG-2001	First Sample Examined: 7590
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 23518
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23499
API Well Number: 608074023000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 46
Paleo Report Num: 1 of 2	Sample Range: 7590 - 23518	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7590 / 7590	DEF AT first sample examined	DEF AT
7620 / 7620	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10750 /10748	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12460 /12451	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14560 /14544	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16990 /16973	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
17260 /17243	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17470 /17453	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
17560 /17543	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17860 /17843	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18160 /18143	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18760 /18743	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18910 /18893	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
19270 /19252	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
20080 /20062	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
21280 /21262	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22330 /22312	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
23259 /23240	POS AT unconformity	DEF AT
23260 /23241	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23350 /23331	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23380 /23361	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23518 /23499	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 877	Date of Summary: 31-AUG-2001	First Sample Examined: 7590
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 23518
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23499
API Well Number: 608074023000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 7590 - 23518	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7590 / 7590	DEF AT first sample examined	DEF AT 5
10540 /10539	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
13330 /13317	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
17440 /17423	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17530 /17513	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18550 /18533	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18910 /18893	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
19270 /19252	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19840 /19822	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
21220 /21202	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
22300 /22282	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
23290 /23271	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
23350 /23331	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
23380 /23361	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
23518 /23499	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 16-NOV-2001	<b>First Sample Examined:</b> 14300
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20994
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20500
<b>API Well Number:</b> 608074023001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14300 - 20994	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14300 /14284	DEF AT first sample examined	DEF AT
14600 /14584	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17360 /17182	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17600 /17403	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18290 /18042	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18410 /18153	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
20994 /20500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 19-NOV-2001	<b>First Sample Examined:</b> 14300
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20994
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20500
<b>API Well Number:</b> 608074023001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14300 - 20994	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14300 /14284	DEF AT first sample examined	DEF AT 5
17360 /17182	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
18290 /18042	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
20994 /20500	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 16-NOV-2001	<b>First Sample Examined:</b> 16000
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21345
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20414
<b>API Well Number:</b> 608074023002	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16000 - 21340	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15836	DEF AT first sample examined	DEF AT
16690 /16382	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
17020 /16646	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17260 /16837	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17350 /16909	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17860 /17326	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17950 /17402	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18610 /17969	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18730 /18074	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
19150 /18446	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20290 /19468	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20320 /19495	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20920 /20036	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21130 /20223	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21250 /20330	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21280 /20356	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21340 /20409	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 19-NOV-2001	<b>First Sample Examined:</b> 16000
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21345
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20414
<b>API Well Number:</b> 608074023002	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16000 - 21340	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15836	DEF AT first sample examined	DEF AT 5
16840 /16502	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17680 /17175	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17740 /17225	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
17860 /17326	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17950 /17402	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17980 /17428	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
18640 /17995	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19690 /18928	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
21130 /20223	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21340 /20409	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 07-JAN-2003	<b>First Sample Examined:</b> 13900
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18206
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16546
<b>API Well Number:</b> 608074024400	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13900 - 18206	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13900 /13023	DEF AT first sample examined	DEF AT 5
14860 /13809	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
16569 /15205	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
16570 /15206	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16750 /15353	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16840 /15426	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16870 /15450	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
16900 /15475	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17470 /15938	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
18206 /16546	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 877	Date of Summary: 07-JAN-2003	First Sample Examined: 13900
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 18206
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16546
API Well Number: 608074024400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13900 - 18206	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13900 /13023	DEF AT first sample examined	DEF AT
13901 /13024	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14860 /13809	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15910 /14663	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15940 /14688	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16600 /15231	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16750 /15353	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16840 /15426	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16900 /15475	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17140 /15669	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
17620 /16062	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18206 /16546	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 14-JAN-2003	<b>First Sample Examined:</b> 14160
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18153
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17184
<b>API Well Number:</b> 608074024401	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14160 - 18150	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14160 /13241	DEF AT first sample examined	DEF AT 5
14680 /13718	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
17320 /16352	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
17410 /16442	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17650 /16682	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17890 /16921	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
17920 /16951	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
18150 /17181	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 14-JAN-2003	<b>First Sample Examined:</b> 14160
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18153
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17184
<b>API Well Number:</b> 608074024401	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14160 - 18150	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, from 15790 to 15910, reworked or displaced Miocene to Pleistocene section including Discoaster quinquerramus, Reticulofenestra pseudoumbilica, and Sphenolithus abies

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14160 /13241	DEF AT first sample examined	DEF AT
14680 /13718	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15790 /14823	POS AT out-of-place section	DEF AT
17320 /16352	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17350 /16382	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17410 /16442	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17650 /16682	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17770 /16802	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17920 /16951	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18150 /17181	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 28-FEB-2003	<b>First Sample Examined:</b> 15270
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18933
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17832
<b>API Well Number:</b> 608074024402	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15270 - 18933	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15270 /14303	DEF AT first sample examined	DEF AT 5
17760 /16707	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
17820 /16764	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18510 /17426	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18870 /17772	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18933 /17832	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 877	<b>Date of Summary:</b> 28-FEB-2003	<b>First Sample Examined:</b> 15270
<b>Lease Number:</b> G21408	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18933
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17832
<b>API Well Number:</b> 608074024402	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15270 - 18933	<b>Water Depth:</b> 5334
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15270 /14303	DEF AT first sample examined	DEF AT
17760 /16707	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17790 /16735	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17820 /16764	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18510 /17426	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18540 /17454	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18933 /17832	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 921	<b>Date of Summary:</b> 09-JAN-2002	<b>First Sample Examined:</b> 13120
<b>Lease Number:</b> G21409	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17814
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16600
<b>API Well Number:</b> 608074023600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13120 - 17815	<b>Water Depth:</b> 5301
<b>Public Info Code:</b> Y 14-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13120 /12768	DEF AT first sample examined	DEF AT
13121 /12769	DEF IN cement	DEF AT
13480 /13056	DEF AT - - - - -	DEF AT 4
16150 /15213	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16900 /15830	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17590 /16409	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17620 /16434	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17815 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 921	Date of Summary: 09-JAN-2002	First Sample Examined: 13120
Lease Number: G21409	Source of Paleo: OPERATOR	Borehole MD: 17814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16600
API Well Number: 608074023600	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 13120 - 17815	Water Depth: 5301
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13120 /12768	DEF AT first sample examined	DEF AT
13121 /12769	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13720 /13249	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16150 /15213	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16330 /15360	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16930 /15855	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17080 /15980	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17410 /16256	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17440 /16282	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17620 /16434	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17815 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 941	Date of Summary: 26-JAN-2000	First Sample Examined: 5290
Lease Number: G20804	Source of Paleo: OPERATOR	Borehole MD: 21207
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21166
API Well Number: 608074082200	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5290 - 21207	Water Depth: 3716
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 6850=Angulogerina ornata, 8230=base of Globorotalia truncatulinoides

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5290 / 5290	DEF AT first sample examined	DEF IN 5
5291 / 5291	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 5
5500 / 5500	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF IN 5
6850 / 6850	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 5
7330 / 7330	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
8080 / 8080	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
8200 / 8200	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
8230 / 8230	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8260 / 8260	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8290 / 8290	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
8300 / 8300	DEF AT salt	DEF IN 5
16239 /16234	DEF AT base of salt	DEF IN 5
16240 /16235	POS IN Eocene	DEF IN 5
16720 /16713	DEF AT salt	DEF IN 5
17199 /17190	DEF AT base of salt	DEF IN 5
17200 /17191	POS IN Upper (Late) Cretaceous	DEF IN 5
21207 /21166	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 949	Date of Summary: 13-JUL-2009	First Sample Examined: 7936
Lease Number: G32456	Source of Paleo: OPERATOR	Borehole MD: 23083
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22109
API Well Number: 608074030200	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7936 - 23083	Water Depth: 4987
Public Info Code: Y 09-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7936 / 7934	DEF AT first sample examined	DEF AT 5
9280 / 9278	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
9430 / 9428	POS AT maximum flooding surface	DEF IN 5
9640 / 9638	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
10570 /10568	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
10629 /10627	DEF AT maximum flooding surface	DEF IN 5
10630 /10628	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
10870 /10868	DEF AT - - - - -	DEF AT 5
13030 /13024	POS AT maximum flooding surface	DEF AT 5
13600 /13575	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
15369 /15181	POS AT maximum flooding surface	DEF AT 5
15370 /15182	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
17198 /16823	POS AT maximum flooding surface	DEF AT 5
17199 /16824	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
17200 /16825	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
19060 /18496	POS AT maximum flooding surface	DEF AT 5
19720 /19089	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
20499 /19788	POS AT maximum flooding surface	DEF AT 5
20500 /19789	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
21430 /20624	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
21490 /20678	POS AT maximum flooding surface	DEF AT 5
22060 /21190	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 949	Date of Summary: 13-JUL-2009	First Sample Examined: 7936
Lease Number: G32456	Source of Paleo: OPERATOR	Borehole MD: 23083
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22109
API Well Number: 608074030200	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7936 - 23083	Water Depth: 4987
Public Info Code: Y 09-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22148 /21269	POS AT maximum flooding surface	DEF IN 5
22149 /21270	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
22150 /21271	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
22300 /21405	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
22449 /21539	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
22450 /21540	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
22509 /21593	POS AT maximum flooding surface	DEF IN 5
22510 /21594	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
22720 /21783	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF IN 5
22750 /21810	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
23083 /22109	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 949	<b>Date of Summary:</b> 18-AUG-2009	<b>First Sample Examined:</b> 15590
<b>Lease Number:</b> G32456	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21957
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21061
<b>API Well Number:</b> 608074030201	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15590 - 21913	<b>Water Depth:</b> 4987
<b>Public Info Code:</b> Y 09-OCT-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15590 /15379	DEF AT first sample examined	DEF AT 5
15591 /15380	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
17178 /16812	POS AT maximum flooding surface	DEF AT 5
17179 /16813	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
17180 /16814	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
19490 /18868	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
20030 /19348	POS AT maximum flooding surface	DEF AT 5
20059 /19374	POS AT salt weld	DEF AT 5
20060 /19375	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
20120 /19428	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
21020 /20228	POS AT maximum flooding surface	DEF AT 5
21090 /20290	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
21650 /20788	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
21913 /21021	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 949	Date of Summary: 05-AUG-2009	First Sample Examined: 15550
Lease Number: G32456	Source of Paleo: OPERATOR	Borehole MD: 23838
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23023
API Well Number: 608074030202	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15550 - 23837	Water Depth: 4987
Public Info Code: Y 09-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15550 /15343	DEF AT first sample examined	DEF AT 5
15551 /15344	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
17188 /16856	POS AT maximum flooding surface	DEF AT 5
17189 /16857	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
17190 /16858	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
19260 /18778	POS AT maximum flooding surface	DEF AT 5
20070 /19530	POS AT maximum flooding surface	DEF AT 5
20100 /19558	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
20130 /19585	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
20190 /19641	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
20880 /20281	POS AT maximum flooding surface	DEF AT 5
23387 /22605	POS AT maximum flooding surface	DEF AT 5
23398 /22615	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
23399 /22616	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
23400 /22617	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
23729 /22922	POS AT maximum flooding surface	DEF AT 5
23730 /22923	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
23837 /23022	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 978	Date of Summary: 01-SEP-2015	First Sample Examined: 12250
Lease Number: G26693	Source of Paleo: OPERATOR	Borehole MD: 32150
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32150
API Well Number: 608074083000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 12250 - 32150	Water Depth: 3803
Public Info Code: Y 18-OCT-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Guadalupe Appraisal Prospect, 12250=in suture,calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12250 /12250	DEF AT first sample examined	DEF AT
12251 /12251	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
12300 /12300	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
12600 /12600	DEF AT local marker floral increase	DEF AT
12809 /12809	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
12810 /12810	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
12930 /12930	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
12960 /12960	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
12988 /12988	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
12989 /12989	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
12990 /12990	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
13080 /13080	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
13170 /13170	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
13200 /13200	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
13230 /13230	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
13260 /13260	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
13290 /13290	DEF AT out-of-place section	DEF AT
13380 /13380	POS IN Upper Cretaceous Campanian Stage	DEF AT
13440 /13440	POS IN Lower (Early) Eocene	DEF AT
13470 /13470	POS IN Middle Eocene	DEF AT
13499 /13499	DEF AT reworked material	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 978	<b>Date of Summary:</b> 01-SEP-2015	<b>First Sample Examined:</b> 12250
<b>Lease Number:</b> G26693	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32150
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 32150
<b>API Well Number:</b> 608074083000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12250 - 32150	<b>Water Depth:</b> 3803
<b>Public Info Code:</b> Y 18-OCT-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13500	POS IN Upper Oligocene Chattian Stage	DEF AT
13650 /13650	DEF AT local marker floral increase	DEF AT
13740 /13740	DEF AT local marker floral increase	DEF AT
13770 /13770	DEF AT local marker floral increase	DEF AT
14010 /14010	POS IN Upper Oligocene Chattian Stage	DEF AT
28466 /28466	DEF AT base of salt	DEF AT
28467 /28467	DEF IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
28470 /28470	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
28500 /28500	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28605 /28605	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
28620 /28620	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
28650 /28650	DEF AT local marker floral decrease	DEF AT
28680 /28680	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
28770 /28770	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
28830 /28830	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
28880 /28880	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
29180 /29180	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
29330 /29330	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
29750 /29750	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
29960 /29960	POS AT local marker floral increase	DEF AT
30410 /30410	DEF AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
30680 /30680	DEF AT reworked material	DEF AT
30860 /30860	POS AT local marker floral increase	DEF AT
32150 /32150	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 978	Date of Summary: 03-OCT-2015	First Sample Examined: 12250
Lease Number: G26693	Source of Paleo: OPERATOR	Borehole MD: 32150
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32150
API Well Number: 608074083000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 12250 - 32150	Water Depth: 3803
Public Info Code: Y 18-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Guadalupe Appraisal Prospect, 12250=in suture

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12250 /12250	DEF AT first sample examined	DEF AT 5
12251 /12251	DEF IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
12269 /12269	DEF IN Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
12270 /12270	DEF IN Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 5
12300 /12300	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 5
12360 /12360	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
12930 /12930	DEF IN Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
12960 /12960	DEF IN Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 5
12990 /12990	DEF IN Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 5
13019 /13019	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
13020 /13020	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
13169 /13169	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
13170 /13170	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
13229 /13229	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 5
13230 /13230	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
13259 /13259	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
13260 /13260	DEF AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT 5
13290 /13290	POS IN Upper Cretaceous Campanian Stage	DEF AT 5
13320 /13320	POS IN Lower Cretaceous Aptian Stage	DEF AT 5
13350 /13350	POS IN Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
13380 /13380	POS IN Upper Cretaceous Campanian Stage	DEF AT 5
13440 /13440	DEF IN Lower (Early) Eocene	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GB 978	Date of Summary: 03-OCT-2015	First Sample Examined: 12250
Lease Number: G26693	Source of Paleo: OPERATOR	Borehole MD: 32150
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32150
API Well Number: 608074083000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 12250 - 32150	Water Depth: 3803
Public Info Code: Y 18-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13470 /13470	DEF IN Middle Eocene Bartonian Stage	DEF AT 5
13500 /13500	DEF IN Upper Eocene Priabonian Stage	DEF AT 5
13530 /13530	DEF IN Lower Oligocene	DEF AT 5
13620 /13620	DEF IN limestone	DEF AT 5
13740 /13740	POS IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
13800 /13800	DEF AT Arenaceous fauna (local marker)	DEF AT 5
28466 /28466	DEF AT base of salt	DEF AT 5
28467 /28467	DEF AT out-of-place section	DEF AT 5
28560 /28560	DEF IN Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
28600 /28600	DEF AT pyrite	DEF AT 5
28602 /28602	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 5
28603 /28603	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 5
28604 /28604	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
28605 /28605	DEF AT radiolarians	DEF AT 5
28680 /28680	DEF AT radiolarians	DEF AT 5
28739 /28739	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 5
28740 /28740	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
28766 /28766	DEF AT siltstone	DEF AT 5
28816 /28816	DEF AT pyrite	DEF AT 5
28866 /28866	DEF AT turbid water facies	POS AT 5
29750 /29750	DEF AT Bathysiphon fauna	POS AT 5
29810 /29810	DEF AT pyrite	POS AT 5
30050 /30050	DEF AT Bathysiphon fauna	POS AT 5
30470 /30470	DEF AT Bathysiphon fauna	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 978	<b>Date of Summary:</b> 03-OCT-2015	<b>First Sample Examined:</b> 12250
<b>Lease Number:</b> G26693	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32150
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 32150
<b>API Well Number:</b> 608074083000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12250 - 32150	<b>Water Depth:</b> 3803
<b>Public Info Code:</b> Y 18-OCT-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30740 /30740	DEF AT Bathysiphon fauna	POS AT 5
32150 /32150	DEF AT last sample examined	POS AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 989	<b>Date of Summary:</b> 20-AUG-2009	<b>First Sample Examined:</b> 9380
<b>Lease Number:</b> G25696	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27349
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 26582
<b>API Well Number:</b> 608074030300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9380 - 27348	<b>Water Depth:</b> 4173
<b>Public Info Code:</b> Y 17-MAR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Salida Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9380 / 9380	DEF AT first sample examined	DEF AT
9381 / 9381	DEF IN salt	DEF AT
13190 /13190	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
23469 /23073	DEF AT base of salt	DEF AT
23470 /23074	DEF AT local marker floral decrease	DEF AT
24160 /23698	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
25010 /24468	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
25040 /24495	DEF AT local marker floral decrease	DEF AT
25640 /25037	DEF AT reworked material	DEF AT
26540 /25849	POS AT local marker floral increase	DEF AT
27210 /26456	DEF AT Lower Paleocene (Danian) Markalius inversus astroporus	DEF AT
27240 /26483	DEF AT local marker floral decrease	DEF AT
27270 /26510	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
27299 /26536	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	DEF AT
27300 /26537	DEF AT Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT
27320 /26555	DEF AT Upper Cretaceous (Maastrichtian) Reinhardites levis	DEF AT
27348 /26581	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GB 989	<b>Date of Summary:</b> 25-AUG-2009	<b>First Sample Examined:</b> 23470
<b>Lease Number:</b> G25696	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27349
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 26582
<b>API Well Number:</b> 608074030300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 23470 - 27348	<b>Water Depth:</b> 4173
<b>Public Info Code:</b> Y 17-MAR-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark: Salida Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23470 /23074	DEF AT first sample examined	DEF AT 4
23471 /23075	DEF AT out-of-place section	DEF AT 4
23530 /23128	DEF AT turbid water facies	POS AT 4
23770 /23345	DEF AT Bathysiphon fauna	POS AT 4
24220 /23753	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	POS AT 4
24400 /23917	DEF AT turbid water facies	POS AT 4
24640 /24133	DEF AT Bathysiphon fauna	POS AT 4
24700 /24187	DEF AT turbid water facies	POS AT 4
24790 /24269	POS AT radiolarians	POS AT 4
27239 /26482	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT 5
27240 /26483	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT 5
27320 /26555	DEF AT limestone	DEF AT 5
27330 /26564	DEF AT Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	DEF AT 5
27348 /26581	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 5	Date of Summary: 06-FEB-1999	First Sample Examined: 1542
Lease Number: G16674	Source of Paleo: OPERATOR	Borehole MD: 3900
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 3722
API Well Number: 608114024000	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 1542 - 3900	Water Depth: 422
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1542 / 1542	DEF AT first sample examined	DEF IN 2
1543 / 1543	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 2
1570 / 1570	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
1660 / 1660	DEF AT faunal change (no faunal increase)	DEF IN 3
1690 / 1690	DEF AT pyrite	DEF IN 3
1930 / 1930	DEF AT -----	DEF IN 2
1960 / 1960	DEF AT -----	DEF AT 3
2110 / 2110	DEF AT maximum flooding surface	DEF AT 3
2290 / 2290	DEF AT shell fragments	DEF AT 2
2380 / 2380	DEF AT pyrite	DEF AT 2
2470 / 2470	DEF AT local marker benthic foram increase	DEF AT 2
3160 / 3146	DEF AT local marker benthic foram increase	DEF AT 2
3370 / 3334	DEF AT local marker benthic foram increase	DEF AT 2
3460 / 3410	DEF AT -----	DEF IN 2
3489 / 3434	DEF AT maximum flooding surface	DEF AT 3
3490 / 3435	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 3
3550 / 3484	DEF AT -----	DEF IN 2
3610 / 3530	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
3900 / 3722	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 6	Date of Summary: 24-MAR-1999	First Sample Examined: 5190
Lease Number: G06987	Source of Paleo: OPERATOR	Borehole MD: 8092
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5268
API Well Number: 608114012503	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 118
Paleo Report Num: 1 of 2	Sample Range: 5190 - 8080	Water Depth: 622
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5190 / 3868	DEF AT first sample examined	DEF IN 2
5191 / 3869	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 2
5400 / 3967	DEF AT pyrite	DEF IN 2
5610 / 4068	DEF AT local marker benthic foram increase	DEF AT 2
5700 / 4110	DEF AT local marker benthic foram increase	DEF IN 2
6570 / 4525	DEF AT local marker foram increase	DEF AT 2
6800 / 4635	DEF AT local marker benthic foram increase	DEF IN 2
6860 / 4664	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
6950 / 4709	DEF AT pyrite	DEF AT 3
6980 / 4725	DEF AT local marker foram increase	DEF AT 3
7010 / 4740	DEF AT faunal change (no faunal increase)	DEF AT 2
7040 / 4756	DEF AT pyrite	DEF AT 2
7190 / 4833	DEF AT local marker benthic foram increase	DEF IN 2
7340 / 4909	DEF AT drilling material	DEF IN 2
7400 / 4938	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF IN 2
7489 / 4982	POS AT out-of-place section	DEF AT 4
7490 / 4982	POS AT gouge	DEF AT 4
7520 / 4996	DEF AT faunal change (no faunal increase)	DEF IN 2
7730 / 5097	DEF AT local marker foram increase	DEF IN 2
7850 / 5154	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
7970 / 5211	DEF AT anhydrite	POS AT 2
8080 / 5262	DEF AT last sample examined	POS AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 6	Date of Summary: 11-APR-1999	First Sample Examined: 6330
Lease Number: G06987	Source of Paleo: OPERATOR	Borehole MD: 8092
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5268
API Well Number: 608114012503	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 118
Paleo Report Num: 2 of 2	Sample Range: 6330 - 8080	Water Depth: 622
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6330 / 4410	DEF AT first sample examined	DEF AT
6830 / 4650	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7520 / 4996	DEF AT out-of-place section	DEF AT
7521 / 4997	POS AT gouge	DEF AT
7580 / 5025	DEF AT reworked material	DEF AT
8080 / 5262	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 6	Date of Summary: 02-AUG-1990	First Sample Examined: 0
Lease Number: G06987	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13230
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 11411
API Well Number: 608114016101	Drilling Operator: TEXACO INC	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 622
Public Info Code: Y 20-JUL-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8516 / 6974	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
13180 / 11361	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "B")	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 6	Date of Summary: 27-AUG-1997	First Sample Examined: 0
Lease Number: G07989	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11295
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8394
API Well Number: 608114018400	Drilling Operator: TEXACO INC	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 622
Public Info Code: Y 27-NOV-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8230 / 6266	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 18  
Lease Number: G04940  
Well Name: A006  
API Well Number: 608114008001  
Paleo Report Num: 1 of 1  
Public Info Code: Y 24-FEB-2004

Date of Summary: 19-AUG-1996  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MOBIL EXPLORATION AND PRODUCIN  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 12191  
Borehole TVD: 10745  
Rkb Elevation: 155  
Water Depth: 760  
Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8058 / 7833	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
10293 / 9411	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
10795 / 9759	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 18	Date of Summary: 01-JUL-1996	First Sample Examined: 9160
Lease Number: G04940	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: A007	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 10169
API Well Number: 608114007301	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 155
Paleo Report Num: 1 of 1	Sample Range: 9160 - 10480	Water Depth: 750
Public Info Code: Y 18-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9160 / 8896	DEF AT first sample examined	DEF AT 4
9250 / 8980	DEF AT local marker foram increase	DEF AT 4
9400 / 9119	DEF AT local marker foram increase	DEF AT 5
10480 /10150	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 18	Date of Summary: 30-NOV-1995	First Sample Examined: 0
Lease Number: G04940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17632
Well Name: A020	Paleo Done By: OPERATOR	Borehole TVD: 14563
API Well Number: 608114015700	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 155
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 760
Public Info Code: Y 20-SEP-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7298 / 7255	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
10368 / 9460	DEF IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
13890 /11895	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
13965 /11947	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
14085 /12030	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
15570 /13089	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 18	<b>Date of Summary:</b> 10-MAY-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G04940	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13821
<b>Well Name:</b> A021	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12326
<b>API Well Number:</b> 608114017900	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 155
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 760
<b>Public Info Code:</b> Y 17-MAY-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10430 / 9192	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
13110 /11616	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13610 /12115	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 18	Date of Summary: 15-APR-1991	First Sample Examined: 0
Lease Number: G04940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14787
Well Name: A022	Paleo Done By: OPERATOR	Borehole TVD: 12786
API Well Number: 608114003502	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 155
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 760
Public Info Code: Y 22-FEB-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14240 /12245	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 18	<b>Date of Summary:</b> 24-OCT-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05809	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17124
<b>Well Name:</b> A024	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14307
<b>API Well Number:</b> 608114019301	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 760
<b>Public Info Code:</b> Y 07-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13480 /11354	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14680 /12311	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14710 /12335	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 18	Date of Summary: 28-MAR-1997	First Sample Examined: 6795
Lease Number: G05809	Source of Paleo: OPERATOR	Borehole MD: 17715
Well Name: A029	Paleo Done By: OPERATOR	Borehole TVD: 14363
API Well Number: 608114021200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 155
Paleo Report Num: 1 of 1	Sample Range: 6795 - 17460	Water Depth: 760
Public Info Code: Y 17-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6795 / 5916	DEF AT first sample examined	DEF AT 4
7020 / 6090	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
9180 / 7754	DEF AT - - - - -	DEF AT 5
9300 / 7847	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9870 / 8292	DEF AT - - - - -	DEF AT 4
11130 / 9270	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5
13830 / 11347	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13950 / 11442	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
15090 / 12326	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15180 / 12395	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 5
15300 / 12488	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15330 / 12511	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17460 / 14148	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 20	Date of Summary: 13-JAN-1998	First Sample Examined: 9990
Lease Number: G15531	Source of Paleo: OPERATOR	Borehole MD: 18577
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18527
API Well Number: 608114021300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 2490 - 18565	Water Depth: 880
Public Info Code: Y 04-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9986	DEF AT first sample examined	DEF IN 3
10020 /10016	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
10080 /10076	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
10980 /10976	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 3
11580 /11576	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT 4
12210 /12206	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
12270 /12266	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12330 /12326	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
12480 /12476	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
12510 /12506	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
12930 /12926	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
13500 /13496	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
13710 /13706	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13950 /13946	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
14970 /14966	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
15990 /15977	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
16770 /16747	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
17610 /17576	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
18565 /18516	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 36	Date of Summary: 14-NOV-2012	First Sample Examined: 15970
Lease Number: G26287	Source of Paleo: OPERATOR	Borehole MD: 16400
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16399
API Well Number: 608114060200	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 15930 - 16400	Water Depth: 1938
Public Info Code: Y 17-APR-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Candy Bars Prospect, nannospecies abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15970 /15969	DEF AT first sample examined	DEF AT
15971 /15970	DEF IN out-of-place section	DEF AT
16049 /16048	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
16050 /16049	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
16080 /16079	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16140 /16139	DEF AT local marker floral increase	DEF AT
16200 /16199	DEF AT local marker floral increase	DEF AT
16230 /16229	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16290 /16289	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16380 /16379	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16400 /16399	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 36	Date of Summary: 01-JAN-2013	First Sample Examined: 15930
Lease Number: G26287	Source of Paleo: OPERATOR	Borehole MD: 16400
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16399
API Well Number: 608114060200	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 15930 - 16400	Water Depth: 1938
Public Info Code: Y 17-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Candy Bars Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15930 /15929	DEF AT first sample examined	POS AT 5
15931 /15930	DEF IN pyrite	POS AT 5
15932 /15931	DEF IN Upper Miocene (Messinian) Globorotalia juanai	POS AT 5
16080 /16079	DEF AT pyrite	POS AT 5
16110 /16109	DEF AT -----	POS AT 6
16140 /16139	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	POS AT 6
16260 /16259	DEF AT -----	DEF AT 5
16400 /16399	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 36	Date of Summary: 09-JAN-2013	First Sample Examined: 15960
Lease Number: G26287	Source of Paleo: OPERATOR	Borehole MD: 23227
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23191
API Well Number: 608114060201	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 15960 - 23227	Water Depth: 1938
Public Info Code: Y 17-APR-2013	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Candy Bars Prospect, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15960 /15947	DEF AT first sample examined	DEF AT
15961 /15948	DEF IN out-of-place section	DEF AT
16020 /16007	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16170 /16157	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16470 /16457	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16500 /16487	DEF AT local marker floral increase	DEF AT
16528 /16515	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16529 /16516	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16530 /16517	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16620 /16607	DEF IN Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
17069 /17056	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17070 /17057	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
17100 /17087	DEF AT local marker floral increase	DEF AT
17130 /17117	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17160 /17147	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17520 /17507	DEF AT local marker floral increase	DEF AT
17730 /17717	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17789 /17776	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17790 /17777	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18750 /18736	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20790 /20776	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21030 /21016	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 36	<b>Date of Summary:</b> 09-JAN-2013	<b>First Sample Examined:</b> 15960
<b>Lease Number:</b> G26287	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23227
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23191
<b>API Well Number:</b> 608114060201	<b>Drilling Operator:</b> STATOIL USA E&P INC.	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15960 - 23227	<b>Water Depth:</b> 1938
<b>Public Info Code:</b> Y 17-APR-2013	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21149 /21134	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
21150 /21135	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22590 /22564	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
23130 /23096	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
23227 /23191	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 36	Date of Summary: 20-FEB-2013	First Sample Examined: 15960
Lease Number: G26287	Source of Paleo: OPERATOR	Borehole MD: 23227
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23191
API Well Number: 608114060201	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 15960 - 23227	Water Depth: 1938
Public Info Code: Y 17-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Candy Bars Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15960 /15947	DEF AT first sample examined	POS IN 5
15990 /15977	DEF IN Upper (Late) Miocene	DEF IN 5
16020 /16007	DEF AT pyrite	POS IN 5
16140 /16127	DEF AT -----	POS AT 6
16170 /16157	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	POS AT 6
16380 /16367	DEF AT -----	POS AT 6
16410 /16397	DEF AT local marker planktic foram increase	POS AT 6
16440 /16427	DEF AT pyrite	POS AT 6
16500 /16487	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	POS AT 6
16560 /16547	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 6
16650 /16637	DEF AT local marker planktic foram increase	POS AT 6
16860 /16847	DEF AT -----	DEF AT 5
16980 /16967	DEF AT -----	POS AT 6
17040 /17027	DEF AT pyrite	DEF AT 5
17190 /17177	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
17250 /17237	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
17370 /17357	POS AT Upper Miocene (Tortonian) Uvigerina 3	POS AT 5
17429 /17416	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
17430 /17417	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS AT 5
17550 /17537	DEF AT deepwater facies Harang	POS AT 5
17580 /17567	DEF AT -----	DEF AT 4
17670 /17657	DEF AT -----	POS IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 36	Date of Summary: 20-FEB-2013	First Sample Examined: 15960
Lease Number: G26287	Source of Paleo: OPERATOR	Borehole MD: 23227
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23191
API Well Number: 608114060201	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 15960 - 23227	Water Depth: 1938
Public Info Code: Y 17-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17700 /17687	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS IN 5
17730 /17717	DEF AT -----	POS AT 4
17790 /17777	DEF AT pyrite	POS AT 4
17970 /17957	POS AT Middle Miocene (Serravallian) Cibicides opima	POS AT 4
18120 /18107	DEF AT pyrite	POS AT 5
18150 /18137	DEF AT -----	POS AT 5
18360 /18347	DEF AT pyrite	POS AT 5
18450 /18436	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS IN 5
18480 /18466	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	POS IN 5
18600 /18586	DEF AT -----	POS AT 4
18720 /18706	DEF AT pyrite	POS AT 4
18780 /18766	DEF AT -----	POS IN 5
18900 /18886	DEF AT pyrite	POS IN 5
18930 /18916	DEF AT -----	POS IN 4
18960 /18946	DEF AT -----	POS IN 4
18999 /18985	DEF AT pyrite	POS IN 4
19000 /18986	DEF AT transported outer shelf facies	POS IN 4
19150 /19136	DEF AT -----	POS AT 4
19260 /19246	DEF AT Bathysiphon fauna	POS AT 4
19530 /19516	DEF AT -----	POS IN 4
19950 /19936	DEF AT transported outer shelf facies	POS IN 5
19980 /19966	DEF AT -----	POS AT 4
20460 /20446	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	POS AT 5
20760 /20746	DEF AT -----	POS AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 36	Date of Summary: 20-FEB-2013	First Sample Examined: 15960
Lease Number: G26287	Source of Paleo: OPERATOR	Borehole MD: 23227
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23191
API Well Number: 608114060201	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 15960 - 23227	Water Depth: 1938
Public Info Code: Y 17-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20790 /20776	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	POS AT 6
20850 /20836	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 5
21150 /21135	DEF AT -----	POS IN 4
21570 /21553	DEF AT -----	POS AT 5
21659 /21642	DEF AT local marker planktic foram increase	POS AT 5
21660 /21643	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	POS AT 5
21720 /21702	DEF AT pyrite	POS AT 5
21770 /21752	POS AT Lower Miocene (Aquitanean) Lenticulina jeffersonensis	POS AT 5
22500 /22475	DEF AT pyrite	POS AT 5
22530 /22505	DEF AT foram flood	POS AT 6
22560 /22534	DEF AT Lower Miocene (Aquitanean) Globorotalia kugleri	POS AT 6
22680 /22653	DEF AT -----	POS AT 5
22710 /22683	DEF AT transported inner shelf facies	POS AT 6
22740 /22713	DEF AT -----	DEF AT 5
22770 /22742	DEF AT -----	DEF IN 5
22800 /22772	DEF AT -----	POS AT 5
22830 /22801	DEF AT -----	DEF AT 5
22860 /22831	DEF AT foram flood	POS AT 6
22890 /22860	DEF AT -----	DEF AT 5
23039 /23007	DEF AT foram flood	DEF AT 5
23040 /23008	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
23070 /23037	DEF AT -----	DEF AT 6
23200 /23165	DEF IN Upper Oligocene	DEF AT 6
23227 /23191	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 37	Date of Summary: 03-APR-1997	First Sample Examined: 3300
Lease Number: G16678	Source of Paleo: OPERATOR	Borehole MD: 14430
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14022
API Well Number: 608115011800	Drilling Operator: BRITISH-BORNEO PETROLEUM INC	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 3300 - 6730	Water Depth: 2019
Public Info Code: Y 29-AUG-2003	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3300 / 3300	DEF AT first sample examined	DEF AT
6330 / 6329	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6730 / 6720	DEF AT last sample examined	DEF IN

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 37	Date of Summary: 03-APR-1997	First Sample Examined: 6730
Lease Number: G16678	Source of Paleo: OPERATOR	Borehole MD: 14430
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14022
API Well Number: 608115011800	Drilling Operator: Name not found in table	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 6730 - 14430	Water Depth: 2019
Public Info Code: Y 29-AUG-2003	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report for bypass

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6730 / 6720	DEF AT first sample examined	DEF AT
9070 / 9060	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9610 / 9599	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9640 / 9629	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10090 /10079	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN
11080 /11060	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN
11170 /11149	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN
11230 /11208	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN
11290 /11267	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN
11440 /11412	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN
11500 /11469	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN
11650 /11612	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN
12550 /12423	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN
12700 /12556	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN
13000 /12816	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13090 /12892	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13810 /13517	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14140 /13796	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14430 /14022	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 37	<b>Date of Summary:</b> 08-APR-1997	<b>First Sample Examined:</b> 3300
<b>Lease Number:</b> G16678	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14430
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14022
<b>API Well Number:</b> 608115011800	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 3300 - 6730	<b>Water Depth:</b> 2019
<b>Public Info Code:</b> Y 29-AUG-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3300 / 3300	DEF AT first sample examined	DEF AT 4
5880 / 5879	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6420 / 6419	DEF AT -----	DEF IN 5
6730 / 6720	DEF AT last sample examined	DEF IN 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 37	Date of Summary: 14-AUG-1997	First Sample Examined: 6730
Lease Number: G16678	Source of Paleo: OPERATOR	Borehole MD: 14430
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14022
API Well Number: 608115011800	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 6730 - 14430	Water Depth: 2019
Public Info Code: Y 29-AUG-2003	Ecozone Eq MMS:	Paleo ID: 005

**Remark:** Bypass report, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6730 / 6720	DEF AT first sample examined	DEF IN 5
9610 / 9599	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
11080 /11060	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
11110 /11090	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
11350 /11325	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11470 /11440	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11800 /11752	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
11830 /11780	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12130 /12051	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
12730 /12583	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12820 /12662	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12939 /12764	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 6
12940 /12765	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13030 /12841	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 6
13840 /13543	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
14110 /13772	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
14140 /13796	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14380 /13985	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
14430 /14022	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 38	<b>Date of Summary:</b> 25-JAN-1999	<b>First Sample Examined:</b> 3500
<b>Lease Number:</b> G16679	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14512
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13500
<b>API Well Number:</b> 608115013000	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3500 - 14510	<b>Water Depth:</b> 2068
<b>Public Info Code:</b> Y 29-AUG-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT 5
6350 / 6347	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7220 / 7217	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8600 / 8597	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9890 / 9879	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9920 / 9909	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10070 /10053	DEF AT -----	DEF AT 5
11030 /10884	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12560 /11918	DEF AT -----	DEF AT 6
12740 /12050	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
14510 /13499	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 38	Date of Summary: 25-JAN-1999	First Sample Examined: 3500
Lease Number: G16679	Source of Paleo: OPERATOR	Borehole MD: 14512
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13500
API Well Number: 608115013000	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3500 - 14510	Water Depth: 2068
Public Info Code: Y 29-AUG-2003	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT
5870 / 5867	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7850 / 7847	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8569 / 8566	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8570 / 8567	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8960 / 8957	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9470 / 9466	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9860 / 9850	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9920 / 9909	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10130 /10110	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10310 /10279	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10880 /10769	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12680 /12005	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13160 /12386	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14030 /13101	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14510 /13499	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 52	Date of Summary: 21-MAR-1990	First Sample Examined: 2830
Lease Number: G05885	Source of Paleo: OPERATOR	Borehole MD: 4680
Well Name: A004	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 3809
API Well Number: 608114012900	Drilling Operator: CONOCO INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 2830 - 4680	Water Depth: 610
Public Info Code: Y 25-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2830 / 2506	DEF AT first sample examined	DEF AT 1
3490 / 3058	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 1
4680 / 3809	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 52	Date of Summary: 20-MAR-1990	First Sample Examined: 2700
Lease Number: G05885	Source of Paleo: OPERATOR	Borehole MD: 5603
Well Name: A005	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 4051
API Well Number: 608114013000	Drilling Operator: CONOCO INC	Rkb Elevation: 120
Paleo Report Num: 1 of 2	Sample Range: 2700 - 5600	Water Depth: 610
Public Info Code: Y 08-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2700 / 2185	DEF AT first sample examined	DEF AT 2
3840 / 2963	DEF AT - - - - -	DEF AT 1
3900 / 2998	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 1
4590 / 3420	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 1
5580 / 4036	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 52	Date of Summary: 17-SEP-1990	First Sample Examined: 0
Lease Number: G05885	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5603
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 4051
API Well Number: 608114013000	Drilling Operator: CONOCO INC	Rkb Elevation: 120
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 610
Public Info Code: Y 08-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4590 / 3420	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4770 / 3528	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 52	Date of Summary: 25-APR-1990	First Sample Examined: 3500
Lease Number: G05885	Source of Paleo: OPERATOR	Borehole MD: 7447
Well Name: A007	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 4650
API Well Number: 608114013200	Drilling Operator: CONOCO INC	Rkb Elevation: 120
Paleo Report Num: 1 of 2	Sample Range: 3500 - 7420	Water Depth: 610
Public Info Code: Y 20-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 2502	DEF AT first sample examined	DEF AT
3501 / 2503	DEF AT cement	DEF AT
3740 / 2630	DEF AT -----	DEF AT 1
5540 / 3593	DEF AT -----	DEF AT 2
5750 / 3707	DEF AT cement	POS AT 2
5840 / 3755	DEF AT -----	DEF AT 2
6760 / 4258	DEF AT -----	DEF AT 1
7030 / 4400	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 1
7420 / 4632	DEF AT last sample examined	DEF AT 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 52	Date of Summary: 20-SEP-1990	First Sample Examined: 0
Lease Number: G05885	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7447
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 4650
API Well Number: 608114013200	Drilling Operator: CONOCO INC	Rkb Elevation: 120
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 610
Public Info Code: Y 20-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6200 / 3948	POS AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 53	Date of Summary: 31-OCT-1990	First Sample Examined: 1350
Lease Number: G05885	Source of Paleo: OPERATOR	Borehole MD: 4784
Well Name: 004	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 4784
API Well Number: 608114017200	Drilling Operator: CONOCO INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 1350 - 4784	Water Depth: 600
Public Info Code: Y 23-NOV-2000	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1350 / 1350	DEF AT first sample examined	POS AT 3
1351 / 1351	DEF AT cement	POS AT 3
1410 / 1410	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
1650 / 1650	DEF AT -----	DEF AT 1
1950 / 1950	POS AT reworked material	DEF AT 1
2010 / 2010	POS AT reworked material	DEF AT 1
2340 / 2340	DEF AT -----	DEF AT 2
2400 / 2400	POS AT reworked material	DEF AT 2
2700 / 2700	DEF AT -----	DEF AT 3
3120 / 3120	DEF AT -----	DEF AT 1
3510 / 3510	DEF AT cement	POS AT 1
3570 / 3570	DEF AT -----	DEF AT 2
3600 / 3600	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
4020 / 4020	DEF AT -----	DEF AT 3
4784 / 4784	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 60	Date of Summary: 11-JUL-1996	First Sample Examined: 0
Lease Number: G14021	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6900
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6529
API Well Number: 608114019800	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 870
Public Info Code: Y 29-NOV-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6180 / 5809	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 60	Date of Summary: 06-JUN-1994	First Sample Examined: 0
Lease Number: G14021	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6820
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 6086
API Well Number: 608114020101	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 868
Public Info Code: Y 09-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3750 / 3590	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6270 / 5617	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 65	Date of Summary: 30-JUN-1994	First Sample Examined: 11490
Lease Number: G05889	Source of Paleo: OPERATOR	Borehole MD: 14644
Well Name: A060	Paleo Done By: OPERATOR	Borehole TVD: 12584
API Well Number: 608114015300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 11490 - 14640	Water Depth: 1353
Public Info Code: Y 31-MAR-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11490 /10153	DEF AT first sample examined	DEF AT
13720 /11865	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14560 /12518	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
14640 /12581	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 68	Date of Summary: 13-MAY-1984	First Sample Examined: 6750
Lease Number: G25115	Source of Paleo: OPERATOR	Borehole MD: 11050
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11050
API Well Number: 608114041500	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6750 - 11050	Water Depth: 1517
Public Info Code: Y 18-JUN-2004	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6750 / 6750	DEF AT first sample examined	DEF AT
7310 / 7310	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9120 / 9120	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9180 / 9180	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9630 / 9630	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10170 /10170	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10800 /10800	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11050 /11050	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 68	<b>Date of Summary:</b> 13-MAY-2004	<b>First Sample Examined:</b> 6750
<b>Lease Number:</b> G25115	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11050
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11050
<b>API Well Number:</b> 608114041500	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6750 - 11050	<b>Water Depth:</b> 1517
<b>Public Info Code:</b> Y 18-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6750 / 6750	DEF AT first sample examined	DEF AT 4
7230 / 7230	DEF AT -----	DEF AT 5
7340 / 7340	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8910 / 8910	DEF AT -----	DEF AT 4
9120 / 9120	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
9630 / 9630	DEF AT -----	DEF AT 5
9660 / 9660	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
10170 /10170	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10770 /10770	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
10800 /10800	DEF AT -----	DEF AT 4
11050 /11050	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 69	<b>Date of Summary:</b> 15-JUL-1999	<b>First Sample Examined:</b> 6080
<b>Lease Number:</b> G13159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11715
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11584
<b>API Well Number:</b> 608115012500	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2750 - 11715	<b>Water Depth:</b> 1420
<b>Public Info Code:</b> Y 31-DEC-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6080 / 6079	DEF AT first sample examined	DEF AT
6081 / 6080	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT
6186 / 6185	DEF AT drilling material	DEF AT
8506 / 8430	DEF AT drilling material	DEF AT
8870 / 8778	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
8871 / 8779	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9320 / 9209	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9560 / 9441	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9590 / 9470	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10040 / 9911	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10760 /10629	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10790 /10659	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
10820 /10689	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10850 /10719	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11300 /11169	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
11330 /11199	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
11715 /11584	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 69	Date of Summary: 01-JAN-2000	First Sample Examined: 10700
Lease Number: G13159	Source of Paleo: OPERATOR	Borehole MD: 11626
Well Name: 003	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 10327
API Well Number: 608115013302	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 10700 - 11600	Water Depth: 1420
Public Info Code: Y 31-DEC-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10700 / 9546	DEF AT first sample examined	DEF AT
11050 / 9842	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11300 /10050	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11330 /10075	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11480 /10200	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11570 /10277	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11600 /10302	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 69	Date of Summary: 03-JAN-2000	First Sample Examined: 10700
Lease Number: G13159	Source of Paleo: OPERATOR	Borehole MD: 11626
Well Name: 003	Paleo Done By: THOMAS REILLY	Borehole TVD: 10327
API Well Number: 608115013302	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 10700 - 11600	Water Depth: 1420
Public Info Code: Y 31-DEC-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10700 / 9546	DEF AT first sample examined	DEF AT 4
10760 / 9599	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
10788 / 9623	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10789 / 9624	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
10790 / 9625	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
11270 /10025	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11358 /10098	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
11359 /10099	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
11360 /10100	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
11390 /10125	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
11570 /10277	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
11600 /10302	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 82	Date of Summary: 06-MAR-1996	First Sample Examined: 5540
Lease Number: G14022	Source of Paleo: OPERATOR	Borehole MD: 12337
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12331
API Well Number: 608115009200	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5540 - 12336	Water Depth: 2359
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 003

## Remark:

MD / TVD	Paleo Top Description	Ecozone
5540 / 5540	DEF AT first sample examined	POS AT 5
5541 / 5541	DEF AT cement	POS AT 5
5690 / 5689	DEF AT - - - - -	DEF AT 5
6440 / 6438	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8420 / 8418	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8719 / 8717	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8720 / 8718	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9650 / 9648	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9709 / 9707	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9710 / 9708	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9740 / 9738	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9830 / 9828	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10200 /10198	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
10730 /10727	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
10880 /10877	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11420 /11417	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
11479 /11476	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
11480 /11477	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12336 /12330	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 82	Date of Summary: 06-MAR-1996	First Sample Examined: 5540
Lease Number: G14022	Source of Paleo: OPERATOR	Borehole MD: 12337
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12331
API Well Number: 608115009200	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5540 - 12336	Water Depth: 2359
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5540 / 5540	DEF AT first sample examined	DEF AT
5541 / 5541	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7670 / 7668	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8420 / 8418	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8480 / 8478	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8720 / 8718	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9320 / 9318	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9650 / 9648	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9680 / 9678	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9710 / 9708	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10010 /10008	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10190 /10188	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11540 /11536	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12336 /12330	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 82	Date of Summary: 17-MAY-1996	First Sample Examined: 6700
Lease Number: G14022	Source of Paleo: OPERATOR	Borehole MD: 13293
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12429
API Well Number: 608115009201	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6700 - 13180	Water Depth: 2359
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6700 / 6698	DEF AT first sample examined	DEF IN 5
7510 / 7491	DEF AT - - - - -	DEF IN 5
7660 / 7631	DEF AT local marker foram increase	DEF IN 5
7960 / 7897	DEF AT local marker foram decrease	DEF IN 5
8530 / 8356	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
8890 / 8620	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9070 / 8750	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
10270 / 9614	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10360 / 9684	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10600 / 9878	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11230 /10433	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
11440 /10629	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11739 /10913	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11740 /10914	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12160 /11310	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12280 /11428	DEF AT Bathysiphon fauna	DEF IN 5
12340 /11487	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
13180 /12317	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 82	<b>Date of Summary:</b> 17-MAY-1996	<b>First Sample Examined:</b> 6700
<b>Lease Number:</b> G14022	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13293
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12429
<b>API Well Number:</b> 608115009201	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6700 - 13180	<b>Water Depth:</b> 2359
<b>Public Info Code:</b> Y 30-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6700 / 6698	DEF AT first sample examined	DEF AT
7660 / 7631	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8470 / 8310	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8560 / 8378	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8920 / 8642	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9790 / 9265	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10180 / 9547	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10240 / 9591	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
10270 / 9614	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10300 / 9637	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10330 / 9660	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10600 / 9878	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12250 / 11398	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13180 / 12317	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 82	Date of Summary: 06-MAR-1996	First Sample Examined: 3230
Lease Number: G14022	Source of Paleo: OPERATOR	Borehole MD: 6968
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6967
API Well Number: 608115009270	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3230 - 6950	Water Depth: 2359
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3230 / 3230	DEF AT first sample examined	DEF AT
5600 / 5600	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6950 / 6949	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 82	Date of Summary: 06-MAR-1996	First Sample Examined: 3230
Lease Number: G14022	Source of Paleo: OPERATOR	Borehole MD: 6968
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6967
API Well Number: 608115009270	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3230 - 6950	Water Depth: 2359
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3230 / 3230	DEF AT first sample examined	DEF AT 5
3231 / 3231	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6140 / 6139	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6950 / 6949	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 82	Date of Summary: 21-APR-2008	First Sample Examined: 8990
Lease Number: G26292	Source of Paleo: OPERATOR	Borehole MD: 14435
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14085
API Well Number: 608114049400	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8990 - 14435	Water Depth: 2380
Public Info Code: Y 19-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8990 / 8863	DEF AT first sample examined	DEF AT 5
8991 / 8864	POS AT maximum flooding surface	DEF AT 5
8992 / 8865	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
8993 / 8866	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9169 / 9041	POS AT maximum flooding surface	DEF AT 5
9170 / 9042	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9838 / 9691	POS AT maximum flooding surface	DEF IN 5
9839 / 9692	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9840 / 9693	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
10198 /10022	POS AT maximum flooding surface	DEF IN 5
10199 /10023	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
10200 /10024	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10286 /10103	POS AT maximum flooding surface	DEF IN 5
10287 /10103	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
10288 /10104	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
10289 /10105	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF IN 5
10290 /10106	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
10440 /10244	DEF AT faunal change (no faunal increase)	DEF AT 5
10618 /10407	POS AT maximum flooding surface	DEF AT 5
10619 /10408	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
10620 /10409	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11640 /11347	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 82  
Lease Number: G26292  
Well Name: 004  
API Well Number: 608114049400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-AUG-2014

Date of Summary: 21-APR-2008  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: W & T OFFSHORE INC  
Sample Range: 8990 - 14435  
Ecozone Eq MMS: Y

First Sample Examined: 8990  
Borehole MD: 14435  
Borehole TVD: 14085  
Rkb Elevation: 78  
Water Depth: 2380  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11850 /11546	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
11879 /11573	POS AT maximum flooding surface	DEF AT 5
11880 /11574	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
12810 /12482	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12899 /12570	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
12900 /12571	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13139 /12806	POS AT maximum flooding surface	DEF AT 5
13140 /12807	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
13289 /12954	POS AT maximum flooding surface	DEF AT 5
13290 /12955	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
13320 /12984	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
13920 /13576	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
14160 /13813	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
14435 /14085	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 89	Date of Summary: 02-JUN-1997	First Sample Examined: 4500
Lease Number: G15540	Source of Paleo: OPERATOR	Borehole MD: 17660
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17503
API Well Number: 608114022000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 4500 - 17658	Water Depth: 668
Public Info Code: Y 24-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4499	DEF AT first sample examined	POS AT 3
5520 / 5519	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5580 / 5579	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 3
7260 / 7258	DEF AT faunal change (no faunal increase)	DEF AT 4
7920 / 7917	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
8550 / 8547	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9180 / 9177	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
9480 / 9477	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
9960 / 9957	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
10050 /10047	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	POS AT 5
11850 /11846	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	POS AT 5
11940 /11936	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 5
12090 /12086	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS AT 5
12360 /12356	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
12510 /12506	POS AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 4
12570 /12566	DEF IN Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 4
12900 /12895	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 4
13470 /13449	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
13770 /13729	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
13950 /13897	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
14400 /14314	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14760 /14644	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 89	Date of Summary: 02-JUN-1997	First Sample Examined: 4500
Lease Number: G15540	Source of Paleo: OPERATOR	Borehole MD: 17660
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17503
API Well Number: 608114022000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 4500 - 17658	Water Depth: 668
Public Info Code: Y 24-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14790 /14671	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
14880 /14754	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
14890 /14763	DEF AT salt	POS AT 4
15960 /15804	DEF AT base of salt	POS AT 4
16170 /16014	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
16440 /16284	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16680 /16524	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16740 /16584	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
16980 /16823	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
17610 /17453	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
17658 /17501	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 89	Date of Summary: 19-JUN-1997	First Sample Examined: 7130
Lease Number: G15540	Source of Paleo: OPERATOR	Borehole MD: 12270
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11424
API Well Number: 608114022001	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 7130 - 12270	Water Depth: 668
Public Info Code: Y 13-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7130 / 7128	DEF AT first sample examined	DEF AT
8720 / 8571	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9500 / 9193	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9800 / 9432	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
9890 / 9504	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
10490 / 9981	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
10520 /10005	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
10580 /10053	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12270 /11424	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 90	Date of Summary: 02-AUG-2000	First Sample Examined: 3800
Lease Number: G15541	Source of Paleo: OPERATOR	Borehole MD: 8000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7545
API Well Number: 608114028100	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 3800 - 8000	Water Depth: 656
Public Info Code: Y 30-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3800 / 3800	DEF AT first sample examined	DEF AT 4
4160 / 4160	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4220 / 4220	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
4250 / 4250	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4580 / 4580	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
4789 / 4789	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
4790 / 4790	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
4880 / 4880	DEF AT - - - - -	DEF AT 5
5150 / 5148	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
5600 / 5591	DEF AT - - - - -	DEF IN 5
5630 / 5620	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
5990 / 5962	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6140 / 6100	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
6290 / 6233	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
6650 / 6534	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
6710 / 6583	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 6
6740 / 6608	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
7100 / 6895	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
7520 / 7234	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
7640 / 7331	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
7820 / 7482	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
8000 / 7634	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 90	Date of Summary: 02-AUG-2000	First Sample Examined: 3800
Lease Number: G15541	Source of Paleo: OPERATOR	Borehole MD: 8000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7545
API Well Number: 608114028100	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 89
Paleo Report Num: 2 of 2	Sample Range: 3800 - 8000	Water Depth: 656
Public Info Code: Y 30-AUG-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3800 / 3800	DEF AT first sample examined	DEF AT
4219 / 4219	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4220 / 4220	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4250 / 4250	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4490 / 4490	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4790 / 4790	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
4940 / 4939	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5420 / 5415	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
5629 / 5619	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
5630 / 5620	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6050 / 6018	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6230 / 6180	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6290 / 6233	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
6380 / 6310	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
6620 / 6510	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6770 / 6632	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
7070 / 6872	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
7640 / 7331	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 110	<b>Date of Summary:</b> 24-JAN-1996	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G14023	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12960
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11736
<b>API Well Number:</b> 608114020600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7000 - 12960	<b>Water Depth:</b> 1730
<b>Public Info Code:</b> Y 21-MAR-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6998	DEF AT first sample examined	DEF AT 4
7240 / 7238	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
8810 / 8808	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 4
8840 / 8838	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT 4
8900 / 8897	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
9830 / 9796	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT 4
10700 /10555	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
12080 /11311	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
12200 /11370	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12620 /11570	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
12889 /11701	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12890 /11701	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
12960 /11736	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

Area Block: GC 112	Date of Summary: 01-JAN-1998	First Sample Examined: 14220
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 20422
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20417
API Well Number: 608114022100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 7500 - 20228	Water Depth: 1730
Public Info Code: Y 18-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Angus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14220 /14219	DEF AT first sample examined	POS AT 4
14550 /14549	POS AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	POS AT 4
14610 /14609	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 4
14789 /14788	POS AT pyrite	POS AT 4
14790 /14789	DEF AT local marker foram increase	POS AT 4
14850 /14849	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	POS AT 4
14880 /14879	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4
15000 /14999	DEF AT cement	POS AT 4
15210 /15209	DEF AT -----	POS AT 5
15450 /15449	DEF AT local marker planktic foram increase	POS AT 5
15510 /15509	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	POS AT 5
15900 /15899	DEF AT sand	DEF AT 6
15930 /15929	DEF AT foram flood	DEF AT 6
15960 /15959	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
16020 /16019	DEF AT pyrite	DEF AT 5
16710 /16707	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
16980 /16977	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
17010 /17007	DEF AT -----	POS AT 4
17460 /17457	DEF AT -----	POS AT 5
18120 /18117	DEF AT -----	DEF AT 4
18180 /18177	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
18570 /18566	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 112	<b>Date of Summary:</b> 01-JAN-1998	<b>First Sample Examined:</b> 14220
<b>Lease Number:</b> G15545	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20422
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 20417
<b>API Well Number:</b> 608114022100	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7500 - 20228	<b>Water Depth:</b> 1730
<b>Public Info Code:</b> Y 18-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18690 /18686	POS AT local marker foram increase	DEF AT 5
18750 /18746	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
19410 /19406	DEF AT Arenaceous fauna (local marker)	DEF AT 5
19530 /19526	DEF AT -----	POS AT 6
19650 /19646	DEF AT local marker benthic foram increase	POS AT 6
19710 /19706	DEF AT -----	DEF AT 5
19830 /19826	DEF AT sand	DEF AT 4
20070 /20065	DEF AT -----	DEF AT 5
20228 /20223	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 112	Date of Summary: 01-JAN-1998	First Sample Examined: 13500
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 16012
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15400
API Well Number: 608114022101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 13500 - 16012	Water Depth: 1730
Public Info Code: Y 08-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Angus Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13000	DEF AT first sample examined	DEF AT
13501 /13001	POS IN Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT
14339 /13744	DEF AT sand	POS AT 3
14340 /13745	DEF AT local marker benthic foram increase	POS AT 3
14400 /13802	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia praehirsuta</i>	POS AT 3
14520 /13918	POS AT Upper Pliocene (Piacenzian) <i>Valvulina "H" / Alvarezina sinuata</i>	POS AT 4
14580 /13976	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	POS AT 4
15090 /14480	DEF AT Upper Pliocene (Piacenzian) <i>Globorotalia multicamerata</i>	DEF AT 4
15180 /14570	DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 5
15239 /14629	DEF AT Upper Pliocene (Piacenzian) <i>Cyclamina</i> sp.	DEF AT 5
15240 /14630	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
15270 /14660	DEF AT Upper Pliocene (Piacenzian) <i>Cibicides grossperforatus</i>	DEF AT 5
16012 /15401	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 112	Date of Summary: 01-JAN-1998	First Sample Examined: 13500
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 16012
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15400
API Well Number: 608114022101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 13500 - 16012	Water Depth: 1730
Public Info Code: Y 08-JUL-2007	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Angus Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13000	DEF AT first sample examined	DEF AT
13501 /13001	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13860 /13302	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
14760 /14153	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
15180 /14570	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15600 /14989	DEF AT local marker floral increase	DEF AT
15601 /14990	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
16012 /15401	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 112	Date of Summary: 01-FEB-1998	First Sample Examined: 8870
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15048
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13735
API Well Number: 608114022400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8870 - 15048	Water Depth: 1757
Public Info Code: Y 26-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Angus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8870 / 8267	DEF AT first sample examined	DEF AT
9290 / 8608	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
10190 / 9347	DEF AT - - - - -	DEF AT 4
10250 / 9396	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10340 / 9471	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10520 / 9621	DEF AT faunal change (no faunal increase)	DEF AT 4
11239 /10224	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11240 /10225	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
11450 /10402	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11510 /10452	DEF AT pyrite	DEF AT 5
11600 /10528	DEF AT - - - - -	DEF AT 4
11720 /10630	POS AT reworked material	DEF IN 3
12740 /11503	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	POS IN 3
13220 /11937	DEF AT - - - - -	DEF IN 4
13340 /12050	DEF AT pyrite	DEF AT 5
14030 /12720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14090 /12780	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
14210 /12899	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
14390 /13078	DEF AT - - - - -	DEF AT 4
14449 /13137	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14450 /13138	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
14540 /13228	DEF AT local marker planktic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 112  
 Lease Number: G15545  
 Well Name: 002  
 API Well Number: 608114022400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 26-FEB-2008

Date of Summary: 01-FEB-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
 Sample Range: 8870 - 15048  
 Ecozone Eq MMS: Y

First Sample Examined: 8870  
 Borehole MD: 15048  
 Borehole TVD: 13735  
 Rkb Elevation: 82  
 Water Depth: 1757  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14570 /13258	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14600 /13288	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
14659 /13347	DEF AT pyrite	DEF AT 5
14660 /13348	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14840 /13527	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
15048 /13735	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 112  
Lease Number: G15545  
Well Name: 002  
API Well Number: 608114022401  
Paleo Report Num: 1 of 2  
Public Info Code: Y 19-MAR-2008

Date of Summary: 01-MAR-1998  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 8821 - 15545  
Ecozone Eq MMS: Y

First Sample Examined: 8821  
Borehole MD: 15509  
Borehole TVD: 13288  
Rkb Elevation: 82  
Water Depth: 1757  
Paleo ID: 001

Remark: Angus Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8821 / 8227	DEF AT first sample examined	DEF AT
10140 / 9192	DEF AT -----	DEF IN 3
10230 / 9248	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
10290 / 9286	DEF AT -----	DEF IN 3
10350 / 9324	DEF AT -----	DEF AT 4
10410 / 9362	DEF AT -----	DEF IN 3
10560 / 9457	DEF AT unconformity	DEF AT 5
10740 / 9571	DEF AT pyrite	DEF AT 5
11100 / 9800	DEF AT -----	DEF AT 4
11520 /10075	DEF AT -----	DEF AT 5
11610 /10135	DEF AT -----	DEF AT 4
11730 /10215	DEF AT -----	DEF AT 5
11850 /10294	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11880 /10314	DEF AT pyrite	DEF AT 5
12360 /10630	DEF AT -----	DEF AT 4
12480 /10710	DEF AT -----	DEF IN 3
12540 /10749	DEF AT -----	DEF AT 4
12600 /10789	DEF AT -----	DEF AT 5
12780 /10908	DEF AT -----	DEF AT 4
13200 /11192	DEF AT sand	POS AT 5
13380 /11320	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	POS AT 5
14520 /12334	DEF AT sand	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 112  
Lease Number: G15545  
Well Name: 002  
API Well Number: 608114022401  
Paleo Report Num: 1 of 2  
Public Info Code: Y 19-MAR-2008

Date of Summary: 01-MAR-1998  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 8821 - 15545  
Ecozone Eq MMS: Y

First Sample Examined: 8821  
Borehole MD: 15509  
Borehole TVD: 13288  
Rkb Elevation: 82  
Water Depth: 1757  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14580 /12392	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14640 /12450	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
14670 /12479	DEF AT pyrite	DEF AT 5
14700 /12508	POS AT unconformity	DEF AT 4
14818 /12622	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
14819 /12623	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
14820 /12624	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
15420 /13202	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
15449 /13230	DEF AT pyrite	DEF AT 5
15450 /13231	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15480 /13260	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15508 /13287	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 112	Date of Summary: 01-MAR-1998	First Sample Examined: 8821
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15509
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13288
API Well Number: 608114022401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8821 - 15508	Water Depth: 1757
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Angus Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8821 / 8227	DEF AT first sample examined	DEF AT
8822 / 8228	DEF AT cement	DEF AT
9360 / 8661	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10380 / 9343	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10560 / 9457	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
10590 / 9476	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
10710 / 9551	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11730 /10215	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12390 /10650	DEF AT reworked material	DEF AT
12510 /10730	DEF AT reworked material	DEF AT
12810 /10928	DEF AT cement	DEF AT
13380 /11320	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13470 /11388	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13471 /11389	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13919 /11768	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13920 /11769	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
14220 /12047	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14730 /12537	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
14820 /12624	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
15360 /13145	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
15420 /13202	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15508 /13287	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 114	Date of Summary: 01-FEB-2000	First Sample Examined: 6940
Lease Number: G20034	Source of Paleo: OPERATOR	Borehole MD: 14606
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14545
API Well Number: 608114025400	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 6940 - 14590	Water Depth: 2680
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6940 / 6940	DEF AT first sample examined	DEF AT
7240 / 7240	DEF IN Upper Pleistocene (Ionian) Helicosphaera inversa	DEF AT
7300 / 7300	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
7480 / 7480	DEF AT local marker floral increase	DEF AT
7540 / 7540	DEF AT reworked material	DEF AT
8260 / 8260	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8410 / 8410	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
8590 / 8590	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9280 / 9280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13480 /13474	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13510 /13503	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
13810 /13791	DEF AT local marker floral increase	DEF AT
14020 /13989	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14050 /14018	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14560 /14504	DEF AT local marker floral increase	DEF AT
14590 /14533	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 114	<b>Date of Summary:</b> 01-FEB-2000	<b>First Sample Examined:</b> 13540
<b>Lease Number:</b> G20034	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15864
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15747
<b>API Well Number:</b> 608114025401	<b>Drilling Operator:</b> DEVON SFS OPERATING INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13540 - 15864	<b>Water Depth:</b> 2685
<b>Public Info Code:</b> Y 31-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13540 /13516	DEF AT first sample examined	DEF AT
13541 /13517	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
13542 /13518	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
13930 /13894	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14170 /14125	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14590 /14530	DEF AT local marker floral increase	DEF AT
14920 /14846	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15159 /15074	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15160 /15075	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
15864 /15747	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 117	<b>Date of Summary:</b> 01-MAY-2002	<b>First Sample Examined:</b> 11992
<b>Lease Number:</b> G05905	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14480
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14479
<b>API Well Number:</b> 608114033500	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11992 - 14460	<b>Water Depth:</b> 2275
<b>Public Info Code:</b> Y 27-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sweet Pea Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11992 /11991	DEF AT first sample examined	DEF AT 4
12000 /11999	DEF AT faunal change (no faunal increase)	POS AT 4
12060 /12059	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12090 /12089	DEF AT - - - - -	DEF AT 4
12930 /12929	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12960 /12959	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
13050 /13049	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
13830 /13829	DEF AT local marker benthic foram increase	DEF AT 4
13890 /13889	DEF AT local marker planktic foram increase	DEF AT 4
13920 /13919	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
13980 /13979	DEF AT faunal change (no faunal increase)	DEF AT 4
14165 /14164	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
14460 /14459	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 117	<b>Date of Summary:</b> 21-MAY-2002	<b>First Sample Examined:</b> 11992
<b>Lease Number:</b> G05905	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14480
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14479
<b>API Well Number:</b> 608114033500	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11992 - 14480	<b>Water Depth:</b> 2275
<b>Public Info Code:</b> Y 27-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Sweet Pea Prospect, calcareous nannofossil report done by Morin Biostratigraphic Studies, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11992 /11991	DEF AT first sample examined	DEF AT
12060 /12059	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12450 /12449	DEF AT local marker floral increase	DEF AT
12600 /12599	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12930 /12929	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13530 /13529	DEF AT local marker floral increase	DEF AT
13800 /13799	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
13888 /13887	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13889 /13888	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13890 /13889	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
13920 /13919	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13950 /13949	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14100 /14099	DEF AT local marker floral increase	DEF AT
14400 /14399	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
14480 /14479	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 134	<b>Date of Summary:</b> 26-JUL-2001	<b>First Sample Examined:</b> 2850
<b>Lease Number:</b> G16693	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18914
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17900
<b>API Well Number:</b> 608114029700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2850 - 18914	<b>Water Depth:</b> 765
<b>Public Info Code:</b> Y 15-AUG-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2850 / 2850	DEF AT first sample examined	DEF AT
3330 / 3330	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3600 / 3600	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5160 / 5160	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5190 / 5190	DEF AT reworked material	DEF AT
5610 / 5610	DEF AT reworked material	DEF AT
5730 / 5730	DEF AT reworked material	DEF AT
5850 / 5850	DEF AT reworked material	DEF AT
5970 / 5970	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6150 / 6150	POS AT reworked material	DEF AT
6930 / 6929	POS AT reworked material	DEF AT
7680 / 7673	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7800 / 7790	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8850 / 8773	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10500 /10244	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10890 /10588	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11520 /11147	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11760 /11364	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11880 /11473	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13890 /13308	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14640 /13996	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14880 /14217	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 134	<b>Date of Summary:</b> 26-JUL-2001	<b>First Sample Examined:</b> 2850
<b>Lease Number:</b> G16693	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18914
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17900
<b>API Well Number:</b> 608114029700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2850 - 18914	<b>Water Depth:</b> 765
<b>Public Info Code:</b> Y 15-AUG-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15600 /14873	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16290 /15494	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16530 /15711	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18000 /17057	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18914 /17900	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 134	Date of Summary: 26-JUL-2001	First Sample Examined: 2850
Lease Number: G16693	Source of Paleo: OPERATOR	Borehole MD: 18914
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17900
API Well Number: 608114029700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 2850 - 18914	Water Depth: 765
Public Info Code: Y 15-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2850 / 2850	DEF AT first sample examined	DEF AT 4
3360 / 3360	DEF AT - - - - -	DEF AT 5
3570 / 3570	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4920 / 4920	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5187 / 5187	POS AT salt weld	DEF AT 6
5188 / 5188	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
5189 / 5189	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
5190 / 5190	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5580 / 5580	DEF AT - - - - -	DEF IN 5
5610 / 5610	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
5820 / 5820	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
5940 / 5940	DEF AT - - - - -	DEF AT 5
6000 / 6000	DEF AT - - - - -	DEF AT 4
6300 / 6300	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
7590 / 7584	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8520 / 8473	DEF AT - - - - -	DEF AT 4
8820 / 8746	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9450 / 9311	DEF AT - - - - -	DEF AT 5
10500 /10244	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
10530 /10271	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
10680 /10403	DEF AT - - - - -	DEF AT 5
10859 /10561	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 134	Date of Summary: 26-JUL-2001	First Sample Examined: 2850
Lease Number: G16693	Source of Paleo: OPERATOR	Borehole MD: 18914
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17900
API Well Number: 608114029700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 2850 - 18914	Water Depth: 765
Public Info Code: Y 15-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10860 /10562	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11760 /11364	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13150 /12627	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
13920 /13336	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13980 /13391	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 5
14040 /13446	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
14639 /13996	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
14640 /13996	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15568 /14844	DEF AT Bathysiphon fauna	DEF AT 5
15569 /14845	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15570 /14846	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
15600 /14873	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17520 /16619	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
17880 /16948	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
18120 /17167	DEF AT Eggerella sp. (local marker)	DEF AT 5
18450 /17470	DEF AT Eggerella 3 (local marker)	DEF AT 5
18510 /17525	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
18870 /17859	DEF AT Arenaceous fauna (local marker)	DEF AT 5
18914 /17900	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 143	Date of Summary: 26-DEC-2001	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF IN 5
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
3840 / 3839	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
4350 / 4349	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
4380 / 4379	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
4500 / 4499	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
4560 / 4559	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
4680 / 4679	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
5099 / 5098	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
5100 / 5099	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
5430 / 5428	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
5460 / 5458	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
5790 / 5788	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
5818 / 5816	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
5819 / 5817	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
5820 / 5818	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
5880 / 5878	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
5998 / 5996	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
5999 / 5997	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6000 / 5998	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
6026 / 6024	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
6027 / 6025	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 143	Date of Summary: 26-DEC-2001	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6028 / 6026	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
6029 / 6027	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
6030 / 6028	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
6058 / 6056	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
6059 / 6057	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
6060 / 6058	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6119 / 6116	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
6120 / 6117	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
6176 / 6173	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
6177 / 6174	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
6178 / 6175	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6179 / 6176	DEF AT anhydrite	DEF AT 6
6180 / 6177	POS AT salt	POS AT 6
6210 / 6207	DEF AT salt	POS AT 6
6240 / 6237	DEF AT sample gap top	POS AT 6
14400 /14125	DEF AT sample gap bottom	DEF AT
14550 /14257	DEF AT base of salt	DEF AT
14551 /14258	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14610 /14310	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14640 /14337	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14730 /14416	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15000 /14653	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15030 /14680	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
15060 /14706	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 143	<b>Date of Summary:</b> 26-DEC-2001	<b>First Sample Examined:</b> 3510
<b>Lease Number:</b> G22930	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23278
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22000
<b>API Well Number:</b> 608114030700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 3510 - 23278	<b>Water Depth:</b> 1003
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15210 /14836	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
15240 /14862	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15330 /14942	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15396 /15001	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15420 /15022	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT
16050 /15579	DEF AT local marker floral increase	DEF AT
16080 /15605	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
16350 /15844	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16740 /16190	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
16800 /16244	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT
16830 /16271	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
20490 /19512	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
21870 /20735	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
23278 /22000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 143	<b>Date of Summary:</b> 27-DEC-2001	<b>First Sample Examined:</b> 3510
<b>Lease Number:</b> G22930	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23278
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22000
<b>API Well Number:</b> 608114030700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 3510 - 23278	<b>Water Depth:</b> 1003
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF AT
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4380 / 4379	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4500 / 4499	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4680 / 4679	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5100 / 5099	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
5430 / 5428	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5790 / 5788	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
5820 / 5818	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6000 / 5998	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6030 / 6028	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
6060 / 6058	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6180 / 6177	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6210 / 6207	DEF AT salt	DEF AT
6214 / 6211	DEF AT sample gap top	DEF AT
14400 /14125	DEF AT sample gap bottom	DEF AT
14550 /14257	DEF AT base of salt	DEF AT
14551 /14258	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14640 /14337	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14730 /14416	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15000 /14653	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15060 /14706	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 143  
Lease Number: G22930  
Well Name: 001  
API Well Number: 608114030700  
Paleo Report Num: 2 of 3  
Public Info Code: Y 30-JUN-2006

Date of Summary: 27-DEC-2001  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 3510 - 23278  
Ecozone Eq MMS:

First Sample Examined: 3510  
Borehole MD: 23278  
Borehole TVD: 22000  
Rkb Elevation: 85  
Water Depth: 1003  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15240 /14862	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15330 /14942	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15396 /15001	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16050 /15579	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
16350 /15844	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16530 /16003	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16800 /16244	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16830 /16271	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
20490 /19512	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
21870 /20735	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
23278 /22000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 143	Date of Summary: 08-JAN-2002	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 3 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** 16800=significant reoccurrence of Globigerina nepenthes, with distinct floral change, and no Miocene fauna, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF AT 4
3750 / 3750	DEF AT -----	DEF IN 5
3840 / 3839	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
3930 / 3929	DEF AT -----	DEF AT 4
4350 / 4349	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4500 / 4499	DEF AT -----	DEF IN 5
4560 / 4559	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
4650 / 4649	DEF AT -----	DEF AT 5
5100 / 5099	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5460 / 5458	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
5790 / 5788	DEF AT -----	DEF IN 5
5820 / 5818	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
5880 / 5878	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
5999 / 5997	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6000 / 5998	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
6028 / 6026	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
6029 / 6027	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
6030 / 6028	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
6060 / 6058	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6119 / 6116	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
6120 / 6117	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 143  
Lease Number: G22930  
Well Name: 001  
API Well Number: 608114030700  
Paleo Report Num: 3 of 3  
Public Info Code: Y 30-JUN-2006

Date of Summary: 08-JAN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 3510 - 23278  
Ecozone Eq MMS: Y

First Sample Examined: 3510  
Borehole MD: 23278  
Borehole TVD: 22000  
Rkb Elevation: 85  
Water Depth: 1003  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6177 / 6174	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
6178 / 6175	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6179 / 6176	DEF AT anhydrite	DEF AT 6
6180 / 6177	DEF AT salt	DEF AT 6
6240 / 6237	DEF AT sample gap top	POS AT 6
14400 /14125	DEF AT sample gap bottom	DEF AT 6
14550 /14257	DEF AT base of salt	DEF IN 5
14610 /14310	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15030 /14680	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
15210 /14836	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
15390 /14996	DEF AT -----	DEF AT 5
15420 /15022	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
16740 /16190	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
16800 /16244	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
19920 /19005	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
21450 /20363	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
21690 /20576	DEF AT -----	DEF AT 6
22110 /20948	DEF AT -----	DEF AT 5
23278 /22000	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 143	Date of Summary: 11-FEB-2002	First Sample Examined: 13980
Lease Number: G22932	Source of Paleo: OPERATOR	Borehole MD: 16900
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16700
API Well Number: 608114030701	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13980 - 16900	Water Depth: 1003
Public Info Code: Y 20-MAR-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13980 /13781	DEF AT first sample examined	DEF AT
13981 /13782	DEF IN salt	DEF AT
14070 /13871	DEF AT base of salt	DEF AT
14071 /13872	DEF AT out-of-place section	DEF AT
14100 /13901	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14250 /14051	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15569 /15370	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15570 /15371	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16200 /16001	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
16740 /16541	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16900 /16701	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 143	Date of Summary: 14-FEB-2002	First Sample Examined: 13950
Lease Number: G22932	Source of Paleo: OPERATOR	Borehole MD: 16900
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16700
API Well Number: 608114030701	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 13950 - 16900	Water Depth: 1003
Public Info Code: Y 20-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 /13751	DEF AT first sample examined	DEF AT
13951 /13752	DEF IN salt	DEF AT
14069 /13870	DEF AT base of salt	DEF IN 5
14070 /13871	DEF AT out-of-place section	DEF IN 5
14100 /13901	DEF AT - - - - -	DEF AT 5
14250 /14051	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14640 /14441	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14910 /14711	DEF AT local marker deep water fauna	DEF IN 5
15210 /15011	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
15330 /15131	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
16230 /16031	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16529 /16330	DEF AT Bathysiphon fauna	DEF AT 5
16530 /16331	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
16740 /16541	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16770 /16571	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
16900 /16701	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 8960
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 18442
Well Name: MA001	Paleo Done By: OPERATOR	Borehole TVD: 17819
API Well Number: 608114022800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3200 - 18442	Water Depth: 1939
Public Info Code: Y 03-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Manatee Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8960 / 8601	DEF AT first sample examined	DEF AT
8990 / 8628	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9100 / 8725	POS IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT
9340 / 8940	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10929 /10366	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
10930 /10367	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
12670 /12048	DEF AT local marker planktic foram increase	DEF AT 4
13509 /12887	POS AT reworked material	DEF AT 4
13510 /12888	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
13990 /13368	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
14020 /13398	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
14290 /13668	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14320 /13698	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
16000 /15377	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
16269 /15646	POS AT reworked material	DEF AT 4
16270 /15647	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
17319 /16696	POS AT unconformity	DEF AT 4
17320 /16697	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17350 /16727	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
17680 /17057	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
17769 /17146	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 4
17770 /17147	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 155	<b>Date of Summary:</b> 21-JUN-2000	<b>First Sample Examined:</b> 8960
<b>Lease Number:</b> G16698	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18442
<b>Well Name:</b> MA001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17819
<b>API Well Number:</b> 608114022800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3200 - 18442	<b>Water Depth:</b> 1939
<b>Public Info Code:</b> Y 03-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18129 /17506	DEF AT Bathysiphon fauna	DEF AT 4
18130 /17507	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
18442 /17819	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 16460
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19910
Well Name: MA001	Paleo Done By: OPERATOR	Borehole TVD: 19040
API Well Number: 608114022801	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 16460 - 19910	Water Depth: 1939
Public Info Code: Y 17-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Manatee Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16460 /15837	DEF AT first sample examined	DEF AT
16549 /15926	POS AT reworked material	DEF AT
16550 /15927	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
17120 /16496	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17300 /16674	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17330 /16704	DEF AT unconformity	DEF AT 4
17359 /16733	DEF AT reworked material	DEF AT 4
17360 /16734	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
17390 /16763	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
17450 /16822	DEF AT reworked material	DEF AT 4
17660 /17029	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
17780 /17145	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
18140 /17490	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
18199 /17546	DEF AT reworked material	DEF AT 4
18200 /17547	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
18320 /17658	DEF AT - - - - -	DEF IN 4
18860 /18146	DEF AT Arenaceous fauna (local marker)	DEF IN 4
19370 /18588	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
19430 /18639	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
19519 /18715	POS AT reworked material	DEF AT 4
19520 /18715	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
19910 /19040	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 155	Date of Summary: 01-JUN-2000	First Sample Examined: 12990
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: MA001	Paleo Done By: THOMAS REILLY	Borehole TVD: 17535
API Well Number: 608114022802	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 12990 - 19415	Water Depth: 1932
Public Info Code: Y 22-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Manatee Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12990 /12243	DEF AT first sample examined	DEF AT 4
12991 /12244	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
13020 /12268	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
13110 /12341	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
13980 /13043	DEF AT local marker planktic foram increase	DEF AT 4
14640 /13584	DEF AT local marker planktic foram increase	DEF AT 4
14700 /13635	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
15030 /13917	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
16530 /15190	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16710 /15342	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
17130 /15694	DEF AT Bathysiphon fauna	DEF AT 4
18195 /16583	DEF AT Cyclamina sp. (local marker)	DEF AT 4
18225 /16607	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18615 /16921	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18705 /16992	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
19380 /17507	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 155	Date of Summary: 03-JUN-2000	First Sample Examined: 12990
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: MA001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 17535
API Well Number: 608114022802	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 12990 - 18615	Water Depth: 1932
Public Info Code: Y 22-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Manatee Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12990 /12243	DEF AT first sample examined	DEF AT
13020 /12268	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14010 /13068	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14580 /13533	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15870 /14636	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16890 /15495	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18255 /16632	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18315 /16680	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18586 /16898	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18615 /16921	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 155	Date of Summary: 17-JUN-2000	First Sample Examined: 12990
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 18297
Well Name: MA001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 17323
API Well Number: 608114022803	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 12990 - 18293	Water Depth: 1932
Public Info Code: Y 30-JUN-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13080 /12333	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13800 /12967	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14370 /13473	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16410 /15435	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17010 /16035	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17520 /16545	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17985 /17010	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 12990
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 18297
Well Name: MA001	Paleo Done By: THOMAS REILLY	Borehole TVD: 17323
API Well Number: 608114022803	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 12990 - 18293	Water Depth: 1932
Public Info Code: Y 30-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Manatee Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12990 /12253	DEF AT first sample examined	DEF AT 4
12991 /12254	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
13260 /12492	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
13770 /12941	DEF AT local marker planktic foram increase	DEF AT 4
14250 /13365	DEF AT local marker planktic foram increase	DEF AT 4
15990 /15018	DEF AT local marker planktic foram increase	DEF AT 4
17550 /16575	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17805 /16830	DEF AT foram flood	DEF AT 4
17835 /16860	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
17894 /16919	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17895 /16920	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
17925 /16950	DEF AT foram flood	DEF AT 4
17985 /17010	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18120 /17145	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
18285 /17310	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 155	Date of Summary: 04-FEB-2002	First Sample Examined: 12000
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19600
Well Name: MA002	Paleo Done By: OPERATOR	Borehole TVD: 17298
API Well Number: 608114031100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12000 - 19560	Water Depth: 1939
Public Info Code: Y 15-JAN-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, a very rare, probably reworked nannofossil assemblage interpreted as Late Miocene age is associated with coccolith increases at 19300 and 19420, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11272	DEF AT first sample examined	DEF AT
12840 /11846	POS AT reworked material	DEF AT
13290 /12156	DEF AT local marker floral increase	DEF AT
13380 /12219	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
13470 /12281	DEF AT local marker floral increase	DEF AT
13560 /12344	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13890 /12571	DEF AT local marker floral increase	DEF AT
14040 /12673	DEF AT local marker floral increase	DEF AT
14370 /12899	DEF AT local marker floral increase	DEF AT
14430 /12941	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15180 /13463	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
15540 /13714	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17340 /15079	POS AT reworked material	DEF AT
17460 /15190	DEF AT local marker floral increase	DEF AT
18090 /15794	POS AT reworked material	DEF AT
18240 /15942	DEF AT reworked material	DEF AT
18660 /16360	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
18690 /16390	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18720 /16420	DEF AT local marker floral increase	DEF AT
18960 /16659	DEF AT local marker floral increase	DEF AT
19040 /16739	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 155	<b>Date of Summary:</b> 04-FEB-2002	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G16698	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19600
<b>Well Name:</b> MA002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17298
<b>API Well Number:</b> 608114031100	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12000 - 19560	<b>Water Depth:</b> 1939
<b>Public Info Code:</b> Y 15-JAN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19300 /16999	DEF AT local marker floral increase	DEF AT
19420 /17119	DEF AT local marker floral increase	DEF AT
19560 /17258	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 155	<b>Date of Summary:</b> 07-FEB-2002	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G16698	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19600
<b>Well Name:</b> MA002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17298
<b>API Well Number:</b> 608114031100	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12000 - 19600	<b>Water Depth:</b> 1939
<b>Public Info Code:</b> Y 15-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Paleo done by Ragan Biostrat, 13740=shallow-water benthics, 14010=local infaunal assemblage, 15540=faunal increase with common Globorotalia hirsuta, 15720=out-of-place Miocene-Pliocene planktics, 16110=top of sparsely fossiliferous interval containing rare shelf species, 16560=Angulogerina B variety GC (local Green Canyon marker), 16710=top of sparsely fossiliferous interval containing rare shelf species, 17400=faunal increase with Globorotalia crassaformis coiling change from left to right, at or below regional datum, 17820=top of sparsely fossiliferous interval containing rare shelf species, 19260=faunal increase with Globorotalia triangula acme, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11272	DEF AT first sample examined	POS IN 3
12030 /11292	DEF AT -----	DEF IN 3
12060 /11313	DEF AT -----	DEF AT 3
12210 /11415	DEF AT -----	DEF IN 3
12270 /11456	DEF AT -----	DEF AT 4
12300 /11476	DEF AT -----	DEF IN 3
12390 /11538	DEF AT -----	DEF AT 3
12510 /11620	DEF AT -----	DEF AT 4
12720 /11764	DEF AT -----	DEF IN 3
12900 /11887	POS IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
13080 /12011	DEF AT -----	DEF AT 5
13170 /12073	DEF AT -----	DEF AT 4
13350 /12198	DEF AT -----	DEF AT 5
13470 /12281	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
13740 /12468	DEF AT transported shelf fauna	POS AT 5
13800 /12509	DEF AT -----	DEF AT 4
14160 /12755	DEF AT transported shelf fauna	POS AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 155	Date of Summary: 07-FEB-2002	First Sample Examined: 12000
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19600
Well Name: MA002	Paleo Done By: OPERATOR	Borehole TVD: 17298
API Well Number: 608114031100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12000 - 19600	Water Depth: 1939
Public Info Code: Y 15-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14310 /12858	DEF AT -----	DEF AT 4
14340 /12879	DEF AT -----	DEF AT 5
14370 /12899	DEF AT local marker planktic foram increase	DEF AT 5
14430 /12941	DEF AT local marker planktic foram increase	DEF AT 5
15180 /13463	DEF AT local marker planktic foram increase	DEF AT 5
15540 /13714	DEF AT local marker planktic foram increase	DEF AT 5
15720 /13841	DEF AT out-of-place section	DEF AT 5
16049 /14068	DEF AT local marker foram decrease	POS AT 5
16050 /14069	DEF AT transported inner shelf facies	POS AT 5
16350 /14279	DEF AT -----	DEF AT 3
16560 /14431	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
16590 /14453	DEF AT -----	DEF AT 5
16650 /14498	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
16680 /14520	DEF AT -----	DEF AT 4
16710 /14543	DEF AT local marker foram decrease	DEF AT 3
16950 /14736	DEF AT -----	DEF AT 4
17190 /14944	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
17250 /14998	DEF AT -----	DEF AT 4
17400 /15134	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
17820 /15532	DEF AT transported shelf fauna	POS AT 5
18150 /15853	DEF AT faunal change (no faunal increase)	DEF AT 4
18180 /15883	DEF AT -----	DEF AT 3
18330 /16031	DEF AT -----	DEF IN 3
18390 /16091	DEF AT -----	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 155	<b>Date of Summary:</b> 07-FEB-2002	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G16698	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19600
<b>Well Name:</b> MA002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17298
<b>API Well Number:</b> 608114031100	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12000 - 19600	<b>Water Depth:</b> 1939
<b>Public Info Code:</b> Y 15-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18420 /16121	DEF AT -----	DEF AT 3
18570 /16270	DEF AT -----	DEF IN 3
18660 /16360	DEF AT local marker deep water fauna	DEF AT 4
18689 /16389	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18690 /16390	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
18716 /16416	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
18717 /16417	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18718 /16418	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 5
18719 /16419	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
18720 /16420	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
18930 /16630	DEF AT local marker foram increase	DEF AT 5
18960 /16659	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
19259 /16958	DEF AT foram flood	DEF AT 5
19260 /16959	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
19480 /17178	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
19600 /17298	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 157	<b>Date of Summary:</b> 29-JUL-2005	<b>First Sample Examined:</b> 8900
<b>Lease Number:</b> G24154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16612
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16299
<b>API Well Number:</b> 608114043800	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8900 - 16370	<b>Water Depth:</b> 2614
<b>Public Info Code:</b> Y 22-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8900	DEF AT first sample examined	DEF AT 5
10220 /10220	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
11990 /11989	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
12049 /12048	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
12050 /12049	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14060 /14056	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
14240 /14230	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
14330 /14315	DEF AT faunal change (no faunal increase)	DEF AT 5
15080 /14972	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
16130 /15880	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16370 /16088	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 157	<b>Date of Summary:</b> 29-JUL-2005	<b>First Sample Examined:</b> 8900
<b>Lease Number:</b> G24154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16612
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16299
<b>API Well Number:</b> 608114043800	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8900 - 16370	<b>Water Depth:</b> 2614
<b>Public Info Code:</b> Y 22-JUL-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8900	DEF AT first sample examined	DEF AT
10130 /10130	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11960 /11959	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12110 /12109	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14060 /14056	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14960 /14869	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16130 /15880	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16370 /16088	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 157	Date of Summary: 10-AUG-2005	First Sample Examined: 13600
Lease Number: G24154	Source of Paleo: OPERATOR	Borehole MD: 17243
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16252
API Well Number: 608114043801	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 13600 - 17243	Water Depth: 2618
Public Info Code: Y 31-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13600 /13599	DEF AT first sample examined	DEF AT 5
14079 /14065	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14080 /14066	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
15069 /14897	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
15070 /14898	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
15340 /15079	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
15520 /15195	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
15670 /15291	POS AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
16750 /15953	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16810 /15989	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
16930 /16063	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
17243 /16252	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 157	<b>Date of Summary:</b> 10-AUG-2005	<b>First Sample Examined:</b> 13600
<b>Lease Number:</b> G24154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17243
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16252
<b>API Well Number:</b> 608114043801	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13600 - 17243	<b>Water Depth:</b> 2618
<b>Public Info Code:</b> Y 31-AUG-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13600 /13599	DEF AT first sample examined	DEF AT
14050 /14038	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15040 /14876	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16599 /15859	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16600 /15860	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16959 /16081	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16960 /16081	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17110 /16172	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17230 /16244	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17243 /16252	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 158	<b>Date of Summary:</b> 22-APR-1999	<b>First Sample Examined:</b> 9090
<b>Lease Number:</b> G07995	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16559
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16227
<b>API Well Number:</b> 608115008700	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9090 - 16550	<b>Water Depth:</b> 2841
<b>Public Info Code:</b> Y 05-APR-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9090 / 9090	DEF AT first sample examined	POS IN 3
9390 / 9389	DEF AT local marker foram increase	DEF IN 3
9480 / 9479	DEF AT local marker foram increase	DEF IN 4
9690 / 9688	POS IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF IN 4
12870 /12763	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
14120 /13941	POS AT local marker foram increase	DEF AT 4
14720 /14505	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3
14780 /14561	DEF AT local marker planktic foram increase	DEF AT 4
14840 /14617	DEF AT local marker planktic foram increase	DEF AT 4
15320 /15067	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
16250 /15937	DEF AT local marker foram increase	DEF AT 4
16338 /16020	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
16339 /16021	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
16340 /16022	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF IN 4
16426 /16102	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 4
16427 /16103	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
16428 /16104	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF IN 4
16429 /16105	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 4
16430 /16106	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 4
16460 /16134	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
16550 /16219	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 07-JUN-1999	First Sample Examined: 9090
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 16559
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16227
API Well Number: 608115008700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 9090 - 16559	Water Depth: 2841
Public Info Code: Y 05-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9090 / 9090	DEF AT first sample examined	POS AT 4
9120 / 9120	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
12240 /12170	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 3
12690 /12594	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 3
14239 /14053	POS AT reworked material	DEF AT 4
14240 /14054	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
15320 /15067	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
15440 /15179	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
15920 /15627	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
16339 /16021	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
16340 /16022	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
16369 /16049	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
16370 /16050	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
16430 /16106	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
16559 /16227	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 158	<b>Date of Summary:</b> 09-APR-2001	<b>First Sample Examined:</b> 14480
<b>Lease Number:</b> G07995	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18200
<b>Well Name:</b> A001	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 18053
<b>API Well Number:</b> 608114026200	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14480 - 18200	<b>Water Depth:</b> 2978
<b>Public Info Code:</b> Y 20-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14480 /14463	DEF AT first sample examined	DEF IN 3
15560 /15497	DEF AT local marker deep water fauna	DEF AT 4
16099 /16013	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
16100 /16014	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
16160 /16071	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
16490 /16388	DEF AT local marker foram increase	DEF AT 4
16580 /16474	DEF AT faunal change (no faunal increase)	DEF IN 3
16790 /16676	DEF AT local marker deep water fauna	DEF AT 4
17419 /17286	DEF AT Bathysiphon fauna	DEF AT 4
17420 /17287	DEF AT local marker benthic foram increase	DEF AT 4
17870 /17728	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17959 /17816	DEF AT foram flood	DEF AT 4
17960 /17817	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
18020 /17876	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18170 /18023	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 04-MAY-2001	First Sample Examined: 15200
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 18200
Well Name: A001	Paleo Done By: THOMAS REILLY	Borehole TVD: 18053
API Well Number: 608114026200	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 15200 - 18200	Water Depth: 2978
Public Info Code: Y 20-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Analysis of rewash samples

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15200 /15153	DEF AT first sample examined	DEF IN 3
15290 /15239	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
16100 /16014	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
16160 /16071	DEF AT foram flood	DEF AT 4
16520 /16417	DEF AT faunal change (no faunal increase)	DEF IN 3
16760 /16647	DEF AT faunal change (no faunal increase)	DEF AT 4
17720 /17581	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17960 /17817	DEF AT local marker foram increase	DEF AT 4
18020 /17876	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18080 /17935	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18170 /18023	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 08-MAY-2001	First Sample Examined: 13950
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 17521
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 17328
API Well Number: 608114026201	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 13950 - 17521	Water Depth: 2978
Public Info Code: Y 08-MAY-2011	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Brutus Prospect, paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 /13942	DEF AT first sample examined	POS AT 5
13980 /13972	POS IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
13981 /13973	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
14130 /14122	DEF AT -----	POS AT 4
14310 /14300	DEF AT -----	DEF AT 5
14340 /14330	DEF AT -----	POS AT 4
14910 /14883	DEF AT -----	DEF AT 5
14940 /14912	DEF AT -----	POS AT 3
15060 /15026	DEF AT -----	POS AT 4
15090 /15054	DEF AT -----	DEF AT 5
15120 /15082	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15300 /15252	DEF AT -----	POS AT 4
15660 /15591	DEF AT -----	DEF AT 5
15808 /15732	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15810 /15734	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
15930 /15847	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
15990 /15904	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
16140 /16046	DEF AT local marker foram increase	DEF AT 5
16170 /16074	DEF AT local marker foram decrease	DEF AT 5
16380 /16271	DEF AT local marker foram increase	DEF AT 5
16620 /16496	DEF AT -----	POS AT 2
16800 /16664	DEF AT -----	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 08-MAY-2001	First Sample Examined: 13950
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 17521
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 17328
API Well Number: 608114026201	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 13950 - 17521	Water Depth: 2978
Public Info Code: Y 08-MAY-2011	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16890 /16748	DEF AT - - - - -	POS AT 4
16920 /16776	DEF AT Arenaceous fauna (local marker)	POS AT 4
16980 /16831	DEF AT local marker (general)	POS AT 4
17010 /16859	DEF AT - - - - -	DEF AT 5
17070 /16914	DEF AT local marker foram increase	DEF AT 5
17130 /16969	DEF AT out-of-place section	POS AT 4
17310 /17135	DEF AT local marker foram increase	POS AT 4
17340 /17162	DEF AT - - - - -	DEF AT 5
17400 /17217	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17460 /17272	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
17490 /17299	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17521 /17328	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 158	<b>Date of Summary:</b> 09-MAY-2001	<b>First Sample Examined:</b> 13950
<b>Lease Number:</b> G07995	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17521
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17328
<b>API Well Number:</b> 608114026201	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13950 - 17521	<b>Water Depth:</b> 2978
<b>Public Info Code:</b> Y 08-MAY-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Brutus Prospect, calcareous nannofossil report done by Morin Biostratigraphic Services, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 /13942	DEF AT first sample examined	DEF AT
13980 /13972	DEF AT local marker floral increase	DEF AT
14010 /14002	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
15120 /15082	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15810 /15734	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15870 /15790	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16410 /16300	DEF AT local marker floral increase	DEF AT
16680 /16552	DEF AT local marker floral increase	DEF AT
16770 /16636	DEF AT local marker floral increase	DEF AT
16860 /16720	DEF AT local marker floral increase	DEF AT
16980 /16831	DEF AT local marker floral increase	DEF AT
17130 /16969	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17400 /17217	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17430 /17244	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17490 /17299	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17521 /17328	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 158	<b>Date of Summary:</b> 04-SEP-2002	<b>First Sample Examined:</b> 16000
<b>Lease Number:</b> G07995	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17720
<b>Well Name:</b> A002	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 17147
<b>API Well Number:</b> 608114026300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 192
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16000 - 17720	<b>Water Depth:</b> 2985
<b>Public Info Code:</b> Y 19-SEP-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Brutus Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15427	DEF AT first sample examined	DEF AT
16120 /15547	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16480 /15907	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16930 /16357	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17140 /16567	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17620 /17047	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17720 /17147	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 01-OCT-2002	First Sample Examined: 14230
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 17720
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17147
API Well Number: 608114026300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 192
Paleo Report Num: 2 of 2	Sample Range: 14230 - 17720	Water Depth: 2985
Public Info Code: Y 19-SEP-2012	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Brutus Prospect

MD / TVD	Paleo Top Description	Ecozone
14230 /13657	DEF AT first sample examined	POS AT 4
14260 /13687	DEF AT - - - - -	DEF AT 4
14290 /13717	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
14320 /13747	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
14470 /13897	DEF AT local marker foram increase	DEF AT 4
14590 /14017	DEF AT local marker benthic foram increase	DEF IN 4
14650 /14077	DEF AT - - - - -	DEF IN 4
14680 /14107	DEF AT - - - - -	DEF AT 4
15400 /14827	DEF AT local marker foram increase	POS AT 4
15490 /14917	DEF AT - - - - -	DEF AT 4
15580 /15007	DEF AT local marker foram decrease	DEF AT 4
16120 /15547	DEF AT local marker foram increase	DEF AT 4
16149 /15576	POS AT reworked material	DEF AT 5
16150 /15577	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16210 /15637	DEF AT - - - - -	DEF AT 4
16480 /15907	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
16510 /15937	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
16600 /16027	DEF AT local marker foram decrease	POS AT 4
16690 /16117	DEF AT - - - - -	DEF AT 4
17110 /16537	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 4
17230 /16657	DEF AT - - - - -	DEF AT 4
17425 /16852	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	POS AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 158	<b>Date of Summary:</b> 01-OCT-2002	<b>First Sample Examined:</b> 14230
<b>Lease Number:</b> G07995	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17720
<b>Well Name:</b> A002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17147
<b>API Well Number:</b> 608114026300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 192
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14230 - 17720	<b>Water Depth:</b> 2985
<b>Public Info Code:</b> Y 19-SEP-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17440 /16867	DEF AT local marker benthic foram increase	DEF AT 4
17559 /16986	DEF AT local marker planktic foram increase	DEF AT 4
17560 /16987	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
17590 /17017	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17619 /17046	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 4
17620 /17047	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
17650 /17077	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS AT 4
17680 /17107	DEF AT local marker foram decrease	POS AT 4
17720 /17147	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 01-APR-1989	First Sample Examined: 12990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 4	Sample Range: 5100 - 18000	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12990 /12408	DEF AT first sample examined	POS AT 4
13830 /13149	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
14369 /13623	POS AT reworked material	DEF AT 4
14370 /13624	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
16190 /15197	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
17500 /16273	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17860 /16569	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
18000 /16684	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 22-DEC-1997	First Sample Examined: 11990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 11990 - 19370	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Bruce Desselle

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 /11533	DEF AT first sample examined	POS IN 2
12530 /12006	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 2
12590 /12059	DEF AT -----	DEF AT 3
12620 /12085	DEF AT -----	DEF IN 3
12660 /12119	DEF AT -----	DEF AT 4
12710 /12163	DEF AT -----	DEF AT 3
12770 /12215	DEF AT -----	DEF IN 2
12800 /12242	DEF AT -----	DEF AT 3
12950 /12373	DEF AT -----	DEF IN 3
13010 /12426	DEF AT -----	DEF AT 3
13340 /12717	DEF AT -----	DEF IN 2
14180 /13457	DEF AT -----	DEF AT 2
14750 /13958	DEF AT -----	DEF IN 2
14780 /13984	DEF AT -----	DEF IN 3
14840 /14037	DEF AT -----	DEF AT 3
15020 /14195	DEF AT -----	DEF IN 2
16040 /15073	DEF AT local marker benthic foram increase	DEF AT 3
16190 /15197	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
17540 /16305	DEF AT -----	DEF AT 4
17570 /16330	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
17690 /16429	DEF AT -----	DEF IN 3
17900 /16602	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 22-DEC-1997	First Sample Examined: 11990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 11990 - 19370	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18260 /16898	DEF AT -----	DEF IN 2
18380 /16996	DEF AT -----	DEF AT 2
18410 /17021	DEF AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 3
18440 /17045	DEF AT -----	DEF IN 3
18470 /17070	POS AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF IN 3
18680 /17242	DEF AT local marker foram increase	DEF IN 3
19010 /17512	DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 4
19100 /17584	DEF AT Upper Pliocene (Piacenzian) <i>Cibicides grossperforatus</i>	DEF IN 3
19190 /17655	DEF AT Upper Pliocene (Piacenzian) <i>Sphaeroidinellopsis seminulina</i>	DEF AT 4
19216 /17675	DEF AT Lower Pliocene (Zanclian) <i>Cibicides marsi</i>	DEF AT 4
19217 /17676	DEF AT Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF AT 4
19218 /17677	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 4
19219 /17678	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druyi</i> / <i>nepenthes</i> "B"	DEF AT 4
19220 /17679	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 4
19280 /17726	DEF AT pyrite	DEF AT 4
19340 /17773	DEF AT -----	DEF IN 3
19370 /17796	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 04-DEC-1998	First Sample Examined: 14720
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 3 of 4	Sample Range: 14720 - 19406	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14720 /13932	DEF AT first sample examined	DEF AT
14840 /14037	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
16040 /15073	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17450 /16231	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17570 /16330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17660 /16404	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18830 /17365	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19190 /17655	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19191 /17656	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
19250 /17702	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19280 /17726	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19340 /17773	DEF AT salt	DEF AT
19370 /17796	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19371 /17797	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus (increase)	DEF AT
19406 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 07-JUN-1999	First Sample Examined: 11990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 4 of 4	Sample Range: 7010 - 19406	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 /11533	DEF AT first sample examined	DEF AT
12530 /12006	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 2
12620 /12085	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
16040 /15073	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 3
17450 /16231	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 3
17540 /16305	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
17570 /16330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
17659 /16403	POS AT reworked material	DEF AT 4
17660 /16404	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
18469 /17069	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 3
18470 /17070	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 3
19010 /17512	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
19190 /17655	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
19219 /17678	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
19220 /17679	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
19250 /17702	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
19406 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 19-MAR-2001	First Sample Examined: 15480
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 18682
Well Name: A003	Paleo Done By: THOMAS REILLY	Borehole TVD: 16968
API Well Number: 608114026400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 15480 - 18575	Water Depth: 2985
Public Info Code: Y 30-MAR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15480 /14573	DEF AT first sample examined	DEF AT 4
15540 /14617	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
15720 /14750	DEF AT reworked material	DEF AT 4
16110 /15034	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
16679 /15451	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3
16680 /15452	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
16860 /15585	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
16920 /15630	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
17310 /15921	DEF AT -----	DEF IN 3
17460 /16033	DEF AT local marker foram increase	DEF IN 3
17700 /16210	DEF AT -----	DEF AT 4
17850 /16322	DEF AT -----	DEF IN 3
18059 /16482	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF AT 4
18060 /16483	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18090 /16507	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
18150 /16553	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18180 /16577	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
18210 /16600	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 4
18240 /16623	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
18300 /16670	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
18330 /16694	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
18390 /16740	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 158	<b>Date of Summary:</b> 19-MAR-2001	<b>First Sample Examined:</b> 15480
<b>Lease Number:</b> G07998	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18682
<b>Well Name:</b> A003	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 16968
<b>API Well Number:</b> 608114026400	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15480 - 18575	<b>Water Depth:</b> 2985
<b>Public Info Code:</b> Y 30-MAR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18420 /16764	DEF AT pyrite	DEF AT 4
18450 /16787	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
18540 /16857	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
18575 /16885	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 01-APR-2001	First Sample Examined: 15510
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 18682
Well Name: A003	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 16968
API Well Number: 608114026400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 15510 - 18575	Water Depth: 2985
Public Info Code: Y 30-MAR-2011	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15540 /14617	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15870 /14860	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16110 /15034	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16950 /15652	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17820 /16299	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18090 /16507	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18180 /16577	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18240 /16623	POS IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18330 /16694	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18360 /16717	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18450 /16787	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18480 /16811	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 18-FEB-2002	First Sample Examined: 14420
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 21226
Well Name: A004	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 18992
API Well Number: 608114026500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 192
Paleo Report Num: 1 of 2	Sample Range: 14420 - 21225	Water Depth: 2985
Public Info Code: Y 05-MAR-2012	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14420 /13573	DEF AT first sample examined	DEF AT
14960 /13993	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
15320 /14274	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
17330 /15818	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18440 /16663	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20475 /18303	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
21115 /18890	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21210 /18978	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
21225 /18991	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 158	Date of Summary: 19-FEB-2002	First Sample Examined: 14420
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 21226
Well Name: A004	Paleo Done By: THOMAS REILLY	Borehole TVD: 18992
API Well Number: 608114026500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 192
Paleo Report Num: 2 of 2	Sample Range: 14420 - 21225	Water Depth: 2985
Public Info Code: Y 05-MAR-2012	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

MD / TVD	Paleo Top Description	Ecozone
14420 /13573	DEF AT first sample examined	DEF IN 3
15260 /14228	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
15290 /14251	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
15320 /14274	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
16580 /15234	DEF AT faunal change (no faunal increase)	DEF IN 3
17330 /15818	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
19590 /17548	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
19605 /17560	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
20115 /17984	POS AT local marker foram increase	DEF AT 4
20370 /18209	DEF AT local marker foram increase	DEF AT 4
20535 /18358	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
20565 /18385	POS AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF AT 4
20985 /18769	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
21114 /18889	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
21115 /18890	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
21135 /18908	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
21210 /18978	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 160	Date of Summary: 18-JUN-1990	First Sample Examined: 3410
Lease Number: G07996	Source of Paleo: OPERATOR	Borehole MD: 14780
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14286
API Well Number: 608115007400	Drilling Operator: BP OIL CORPORATION	Rkb Elevation: 48
Paleo Report Num: 1 of 2	Sample Range: 3410 - 13340	Water Depth: 2500
Public Info Code: Y 12-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3410 / 3410	DEF AT first sample examined	DEF AT 4
3411 / 3411	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4220 / 4220	DEF AT local marker foram increase	DEF AT 3
4550 / 4550	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
4910 / 4909	DEF AT local marker foram increase	DEF AT 3
6410 / 6258	DEF AT local marker foram increase	DEF AT 4
9890 / 9418	DEF AT local marker foram increase	DEF AT 4
11989 /11508	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11990 /11509	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
13339 /12853	DEF AT local marker foram increase	DEF IN 5
13340 /12854	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 160	Date of Summary: 18-JUN-1990	First Sample Examined: 3600
Lease Number: G07996	Source of Paleo: OPERATOR	Borehole MD: 14780
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14286
API Well Number: 608115007400	Drilling Operator: BP OIL CORPORATION	Rkb Elevation: 48
Paleo Report Num: 2 of 2	Sample Range: 3600 - 14780	Water Depth: 2500
Public Info Code: Y 12-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report for sidetrack

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3600 / 3600	DEF AT first sample examined	DEF AT
4170 / 4170	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4290 / 4290	DEF AT -----	DEF IN 3
4500 / 4500	DEF AT cement	POS IN 3
4770 / 4770	POS AT -----	POS IN 3
5820 / 5754	DEF AT local marker foram increase	DEF AT 5
5880 / 5807	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
6300 / 6165	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
6360 / 6216	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 4
6480 / 6318	DEF AT -----	DEF IN 3
6810 / 6601	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
6990 / 6758	DEF AT -----	DEF IN 5
7274 / 7006	DEF AT cement	DEF IN 5
7350 / 7072	DEF AT -----	DEF AT 4
7980 / 7628	DEF AT -----	DEF AT 5
8070 / 7709	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
8280 / 7897	DEF AT -----	DEF AT 5
8490 / 8086	DEF AT -----	DEF IN 4
8850 / 8413	DEF AT -----	DEF AT 4
9390 / 8927	DEF AT -----	DEF IN 4
9510 / 9044	DEF AT -----	DEF IN 5
9780 / 9309	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 160	Date of Summary: 18-JUN-1990	First Sample Examined: 3600
Lease Number: G07996	Source of Paleo: OPERATOR	Borehole MD: 14780
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14286
API Well Number: 608115007400	Drilling Operator: BP OIL CORPORATION	Rkb Elevation: 48
Paleo Report Num: 2 of 2	Sample Range: 3600 - 14780	Water Depth: 2500
Public Info Code: Y 12-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10650 /10172	DEF AT -----	DEF AT 4
11010 /10531	DEF AT local marker floral increase	DEF AT 4
11115 /10636	DEF AT cement	POS AT 4
11400 /10920	DEF AT -----	DEF IN 5
11790 /11309	DEF AT -----	DEF AT 4
12270 /11788	DEF AT -----	DEF AT 5
12590 /12107	DEF AT -----	DEF IN 5
12600 /12117	DEF AT -----	DEF AT 5
12900 /12416	DEF AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 4
13110 /12625	DEF AT -----	DEF AT 5
13350 /12864	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF IN 5
13380 /12894	DEF AT -----	DEF AT 6
13410 /12924	DEF AT local marker planktic foram increase	DEF AT 6
13890 /13401	DEF AT -----	DEF AT 5
14100 /13610	DEF AT Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF AT 6
14280 /13789	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / <i>nepenthes</i> "B"	DEF AT 6
14339 /13847	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 6
14340 /13848	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 6
14400 /13908	DEF AT -----	DEF IN 5
14519 /14027	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF IN 5
14520 /14028	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF IN 5
14550 /14057	DEF AT -----	DEF AT 5
14780 /14286	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 161	<b>Date of Summary:</b> 29-AUG-1991	<b>First Sample Examined:</b> 4530
<b>Lease Number:</b> G05909	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15355
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14009
<b>API Well Number:</b> 608115007600	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4530 - 15355	<b>Water Depth:</b> 2575
<b>Public Info Code:</b> Y 24-NOV-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT first sample examined	DEF AT
4531 / 4531	DEF AT cement	DEF AT
6180 / 6180	DEF AT - - - - -	DEF AT 4
6420 / 6420	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6690 / 6690	DEF AT - - - - -	DEF AT 5
11280 /11077	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
15355 /14004	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 161  
 Lease Number: G05909  
 Well Name: 001  
 API Well Number: 608115007601  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 07-DEC-2000

Date of Summary: 15-APR-1991  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 11580 - 14177  
 Ecozone Eq MMS: Y

First Sample Examined: 11580  
 Borehole MD: 14201  
 Borehole TVD: 13541  
 Rkb Elevation: 80  
 Water Depth: 2575  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11580 /11283	DEF AT first sample examined	DEF AT 4
11581 /11284	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12000 /11608	DEF AT -----	DEF AT 5
12660 /12173	DEF AT -----	DEF AT 4
13560 /12973	DEF AT -----	DEF AT 5
14010 /13374	DEF AT -----	DEF AT 4
14177 /13524	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> GC 161	<b>Date of Summary:</b> 28-MAY-1991	<b>First Sample Examined:</b> 9210
<b>Lease Number:</b> G05909	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13650
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13299
<b>API Well Number:</b> 608115007602	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9210 - 13650	<b>Water Depth:</b> 2575
<b>Public Info Code:</b> Y 19-DEC-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9210 / 9210	DEF AT first sample examined	DEF AT
9211 / 9211	DEF AT poor sample interval top	DEF AT
10289 /10261	DEF AT poor sample interval bottom	DEF AT
10290 /10262	DEF AT -----	DEF AT 2
10700 /10632	DEF AT -----	DEF AT 4
10830 /10747	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11370 /11230	DEF AT -----	DEF AT 2
11580 /11421	DEF AT -----	DEF AT 5
13650 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 161  
Lease Number: G05909  
Well Name: 001  
API Well Number: 608115007603  
Paleo Report Num: 1 of 1  
Public Info Code: Y 28-FEB-2001

Date of Summary: 15-JUN-1991  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 9720 - 17845  
Ecozone Eq MMS: Y

First Sample Examined: 9720  
Borehole MD: 17845  
Borehole TVD: 16465  
Rkb Elevation: 80  
Water Depth: 2575  
Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9720 / 9717	DEF AT first sample examined	DEF AT
9721 / 9718	DEF AT poor sample interval top	DEF AT
10289 /10267	DEF AT poor sample interval bottom	DEF AT
10290 /10268	DEF AT -----	DEF AT 2
10710 /10644	DEF AT -----	DEF AT 4
10770 /10695	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11400 /11186	DEF AT -----	DEF AT 3
11790 /11486	DEF AT -----	DEF AT 5
14640 /13794	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14760 /13891	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16710 /15478	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17760 /16386	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17845 /16454	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 162	<b>Date of Summary:</b> 31-AUG-1999	<b>First Sample Examined:</b> 4784
<b>Lease Number:</b> G18337	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15900
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15896
<b>API Well Number:</b> 608114025000	<b>Drilling Operator:</b> MAXUS US EXPLORATION COMPANY	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4784 - 15900	<b>Water Depth:</b> 2634
<b>Public Info Code:</b> Y 18-DEC-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4784 / 4784	DEF AT first sample examined	DEF AT
7500 / 7500	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10680 /10680	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12540 /12539	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13590 /13588	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13860 /13858	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14670 /14666	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14850 /14846	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14880 /14876	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15900 /15896	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 162  
Lease Number: G18337  
Well Name: 001  
API Well Number: 608114025000  
Paleo Report Num: 2 of 2  
Public Info Code: Y 18-DEC-2000

Date of Summary: 02-SEP-1999  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: MAXUS US EXPLORATION COMPANY  
Sample Range: 4784 - 15900  
Ecozone Eq MMS: Y

First Sample Examined: 4784  
Borehole MD: 15900  
Borehole TVD: 15896  
Rkb Elevation: 86  
Water Depth: 2634  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4784 / 4784	DEF AT first sample examined	POS AT 4
4785 / 4785	DEF AT cement	POS AT 4
4890 / 4890	DEF AT - - - - -	DEF AT 4
6130 / 6130	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 4
6810 / 6810	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7350 / 7350	DEF AT local marker deep water fauna	DEF IN 5
8820 / 8820	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
8910 / 8910	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
13590 /13588	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13830 /13828	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
14250 /14247	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
14340 /14337	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
14730 /14726	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
14760 /14756	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 5
14820 /14816	DEF AT foram flood	DEF IN 5
14877 /14873	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
14878 /14874	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14879 /14875	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
14880 /14876	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
14910 /14906	DEF AT pyrite	DEF IN 5
15660 /15656	DEF AT anhydrite	DEF IN 5
15900 /15896	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 165	Date of Summary: 17-JUL-2001	First Sample Examined: 5174
Lease Number: G15555	Source of Paleo: OPERATOR	Borehole MD: 7527
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7525
API Well Number: 608114027800	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5174 - 7527	Water Depth: 2705
Public Info Code: Y 27-JUN-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5174 / 5173	DEF AT first sample examined	POS IN 4
5980 / 5979	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
6760 / 6759	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 4
6820 / 6818	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	POS AT 5
6850 / 6848	DEF AT - - - - -	DEF AT 5
7527 / 7525	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 165	Date of Summary: 29-DEC-2000	First Sample Examined: 5440
Lease Number: G15555	Source of Paleo: OPERATOR	Borehole MD: 17565
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17357
API Well Number: 608114028700	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5440 - 17550	Water Depth: 2785
Public Info Code: Y 27-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5440 / 5440	DEF AT first sample examined	POS AT 6
6550 / 6550	DEF AT - - - - -	DEF AT 6
6910 / 6910	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	POS AT 6
7620 / 7620	DEF AT - - - - -	DEF IN 6
7650 / 7650	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 6
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 6
8880 / 8880	DEF AT - - - - -	DEF AT 6
9630 / 9630	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
11729 /11728	DEF AT pyrite	DEF AT 6
11730 /11729	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
12089 /12088	DEF AT pyrite	DEF AT 6
12090 /12089	DEF AT local marker foram increase	DEF AT 6
12660 /12658	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 6
12990 /12988	DEF AT - - - - -	DEF AT 6
13110 /13108	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 6
13530 /13528	DEF AT local marker planktic foram increase	DEF IN 6
14039 /14036	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 7
14040 /14037	DEF AT foram flood	DEF AT 7
14068 /14065	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 7
14069 /14066	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 7
14070 /14067	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 7
14189 /14186	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 7

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 165	<b>Date of Summary:</b> 29-DEC-2000	<b>First Sample Examined:</b> 5440
<b>Lease Number:</b> G15555	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17565
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17357
<b>API Well Number:</b> 608114028700	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5440 - 17550	<b>Water Depth:</b> 2785
<b>Public Info Code:</b> Y 27-JUN-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14190 /14187	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 7
14430 /14427	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
14519 /14516	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 6
14520 /14517	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
14580 /14576	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
15089 /15081	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
15090 /15082	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
15120 /15111	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
15360 /15343	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
17550 /17344	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 165	Date of Summary: 24-JAN-2001	First Sample Examined: 17600
Lease Number: G15555	Source of Paleo: OPERATOR	Borehole MD: 21810
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 21067
API Well Number: 608114028703	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 14390 - 21740	Water Depth: 2785
Public Info Code: Y 27-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 21230=Discoaster berggrenii increase

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17600 /17323	DEF AT first sample examined	DEF AT 6
17660 /17375	POS IN Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
18319 /17958	DEF AT Bathysiphon fauna	DEF AT 6
18320 /17959	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
20179 /19601	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
20180 /19602	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
21230 /20542	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
21500 /20785	DEF AT Eggerella 3 (local marker)	DEF AT 6
21740 /21003	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 165	Date of Summary: 01-APR-2001	First Sample Examined: 19760
Lease Number: G15555	Source of Paleo: OPERATOR	Borehole MD: 27356
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 25894
API Well Number: 608114028704	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 19670 - 27356	Water Depth: 2785
Public Info Code: Y 27-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20000 /19444	DEF AT first sample examined	DEF AT 6
21050 /20370	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
21380 /20658	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
22660 /21788	DEF AT - - - - -	DEF IN 6
22780 /21894	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 6
23610 /22617	DEF AT - - - - -	POS IN 6
23820 /22800	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	POS IN 6
23880 /22852	DEF AT local marker foram increase	DEF AT 6
24620 /23484	DEF AT reworked material	DEF AT 6
24780 /23620	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
25220 /23996	DEF AT reworked material	DEF AT 6
27019 /25587	DEF AT local marker foram increase	DEF IN 6
27020 /25588	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 6
27080 /25642	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 6
27356 /25894	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 173	<b>Date of Summary:</b> 01-MAY-1997	<b>First Sample Examined:</b> 6200
<b>Lease Number:</b> G16701	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15003
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15000
<b>API Well Number:</b> 608115011900	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6200 - 15005	<b>Water Depth:</b> 3080
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6200 / 6199	DEF AT first sample examined	DEF AT
7040 / 7039	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7280 / 7279	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
11630 /11628	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11780 /11778	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
12980 /12978	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13010 /13008	DEF AT sample gap top	DEF AT
13234 /13232	DEF AT sample gap bottom	DEF AT
13235 /13233	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14540 /14537	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15005 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 177	Date of Summary: 28-SEP-1999	First Sample Examined: 0
Lease Number: G16702	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12156
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12089
API Well Number: 608114025600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1487
Public Info Code: Y 31-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9846 / 9845	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
11220 /11202	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 179	Date of Summary: 08-JAN-1999	First Sample Examined: 2300
Lease Number: G16703	Source of Paleo: OPERATOR	Borehole MD: 7716
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 7626
API Well Number: 608114023600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 2300 - 7716	Water Depth: 1287
Public Info Code: Y 29-AUG-2003	Ecozone Eq MMS:	Paleo ID: 003

Remark: Katmai Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2300 / 2300	DEF AT first sample examined	DEF AT
2301 / 2301	DEF IN Upper Pleistocene	DEF AT
2960 / 2960	DEF AT local marker floral increase	DEF AT
6360 / 6324	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7716 / 7626	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 179	Date of Summary: 24-MAY-1999	First Sample Examined: 2300
Lease Number: G16703	Source of Paleo: OPERATOR	Borehole MD: 7716
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 7626
API Well Number: 608114023600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2300 - 7716	Water Depth: 1287
Public Info Code: Y 29-AUG-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Katmai Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2300 / 2300	DEF AT first sample examined	DEF IN 4
2301 / 2301	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
2360 / 2360	DEF AT - - - - -	DEF AT 4
2810 / 2810	DEF AT local marker benthic foram increase	DEF AT 4
2960 / 2960	DEF AT foram flood	DEF AT 4
3050 / 3050	DEF AT local marker benthic foram increase	DEF AT 4
3170 / 3170	DEF AT local marker planktic foram increase	DEF AT 4
3530 / 3529	DEF AT - - - - -	DEF IN 3
3750 / 3749	DEF AT local marker benthic foram increase	DEF AT 4
3810 / 3809	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
3840 / 3839	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
3960 / 3959	DEF AT - - - - -	DEF AT 4
4080 / 4079	DEF AT local marker benthic foram increase	DEF AT 4
4410 / 4408	DEF AT - - - - -	DEF IN 3
5040 / 5036	DEF AT local marker benthic foram increase	DEF AT 3
5100 / 5096	DEF AT - - - - -	DEF IN 3
5580 / 5571	DEF AT local marker benthic foram increase	DEF AT 3
5640 / 5630	DEF AT - - - - -	DEF IN 3
5670 / 5659	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
5880 / 5863	DEF AT - - - - -	DEF AT 3
5940 / 5921	DEF AT - - - - -	DEF IN 3
5970 / 5950	DEF AT - - - - -	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 179	Date of Summary: 24-MAY-1999	First Sample Examined: 2300
Lease Number: G16703	Source of Paleo: OPERATOR	Borehole MD: 7716
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 7626
API Well Number: 608114023600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2300 - 7716	Water Depth: 1287
Public Info Code: Y 29-AUG-2003	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6330 / 6295	DEF AT maximum flooding surface	DEF IN 3
6420 / 6382	DEF AT -----	DEF AT 3
7530 / 7448	POS AT local marker foram increase	DEF AT 3
7716 / 7626	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 179	<b>Date of Summary:</b> 08-JAN-1999	<b>First Sample Examined:</b> 6791
<b>Lease Number:</b> G16703	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8879
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8742
<b>API Well Number:</b> 608114023601	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6791 - 8879	<b>Water Depth:</b> 1287
<b>Public Info Code:</b> Y 29-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Katmai Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6791 / 6739	DEF AT first sample examined	DEF AT
7800 / 7710	DEF AT local marker floral increase	DEF AT
7860 / 7768	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7920 / 7825	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8400 / 8284	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8879 / 8742	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 179  
Lease Number: G16703  
Well Name: 001  
API Well Number: 608114023601  
Paleo Report Num: 2 of 2  
Public Info Code: Y 29-AUG-2003

Date of Summary: 24-MAY-1999  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 6791 - 8879  
Ecozone Eq MMS: Y

First Sample Examined: 6791  
Borehole MD: 8879  
Borehole TVD: 8742  
Rkb Elevation: 80  
Water Depth: 1287  
Paleo ID: 002

Remark: Katmai Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6791 / 6739	DEF AT first sample examined	DEF AT 3
7530 / 7451	POS AT local marker foram increase	DEF AT 3
7800 / 7710	DEF AT local marker foram increase	DEF AT 4
7830 / 7739	DEF AT - - - - -	DEF IN 3
7860 / 7768	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
8010 / 7912	DEF AT - - - - -	DEF AT 3
8490 / 8370	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
8580 / 8456	DEF AT pyrite	DEF IN 3
8610 / 8484	DEF AT - - - - -	DEF AT 3
8879 / 8742	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 179	<b>Date of Summary:</b> 08-JAN-1999	<b>First Sample Examined:</b> 8310
<b>Lease Number:</b> G16703	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11912
<b>API Well Number:</b> 608114023602	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8310 - 12200	<b>Water Depth:</b> 1287
<b>Public Info Code:</b> Y 29-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Katmai Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8310 / 8198	DEF AT first sample examined	DEF AT
8400 / 8284	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10800 /10587	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11100 /10874	DEF AT local marker floral increase	DEF AT
12060 /11782	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12180 /11894	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 179	Date of Summary: 24-MAY-1999	First Sample Examined: 8310
Lease Number: G16703	Source of Paleo: OPERATOR	Borehole MD: 12200
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11912
API Well Number: 608114023602	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 8310 - 12200	Water Depth: 1287
Public Info Code: Y 29-AUG-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Katmai Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8310 / 8198	DEF AT first sample examined	DEF AT 3
8580 / 8458	DEF AT pyrite	DEF IN 3
8610 / 8486	DEF AT -----	DEF AT 3
9390 / 9236	DEF AT -----	DEF IN 2
9450 / 9293	DEF AT -----	DEF AT 3
10170 / 9983	POS AT local marker foram increase	DEF AT 3
10620 /10414	DEF AT local marker benthic foram increase	DEF AT 3
10770 /10558	DEF AT -----	DEF AT 4
10830 /10615	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF IN 3
10950 /10730	DEF AT local marker foram increase	DEF IN 3
11040 /10816	DEF AT local marker foram increase	DEF IN 3
11070 /10845	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3
11280 /11046	DEF AT -----	DEF AT 3
12030 /11754	DEF AT -----	DEF IN 3
12120 /11838	DEF AT local white Arenacous fauna	DEF IN 3
12200 /11912	DEF AT last sample examined	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 195	<b>Date of Summary:</b> 01-AUG-2003	<b>First Sample Examined:</b> 4020
<b>Lease Number:</b> G24159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19309
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19300
<b>API Well Number:</b> 608114037600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4020 - 19309	<b>Water Depth:</b> 1844
<b>Public Info Code:</b> Y 18-JUN-2009	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

**Remark:** Tiger Prospect, calcareous nannofossil report, 18050 to 18890=repeat section 1, 18890 to TD=repeat section 2, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 4020	DEF AT first sample examined	DEF AT
4130 / 4130	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4550 / 4550	DEF AT local marker floral increase	DEF AT
5090 / 5090	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5540 / 5540	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
5720 / 5720	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7130 / 7130	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8480 / 8480	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
9230 / 9230	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
9589 / 9589	DEF AT condensed section	DEF AT
9590 / 9590	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9740 / 9740	DEF AT sample gap top	DEF AT
9830 / 9830	DEF AT sample gap bottom	DEF AT
9890 / 9890	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9980 / 9980	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11210 /11209	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
11479 /11478	DEF AT reworked material	DEF AT
11480 /11479	POS AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
12440 /12438	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12470 /12468	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 195  
Lease Number: G24159  
Well Name: 001  
API Well Number: 608114037600  
Paleo Report Num: 1 of 2  
Public Info Code: Y 18-JUN-2009

Date of Summary: 01-AUG-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 4020 - 19309  
Ecozone Eq MMS: N

First Sample Examined: 4020  
Borehole MD: 19309  
Borehole TVD: 19300  
Rkb Elevation: 72  
Water Depth: 1844  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12620 /12618	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12860 /12858	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
12890 /12888	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
12948 /12946	POS AT unconformity	DEF AT
12949 /12947	POS AT condensed section	DEF AT
12950 /12948	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
12980 /12978	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
13040 /13038	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13880 /13877	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13940 /13937	DEF AT local marker floral increase	DEF AT
14120 /14117	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14569 /14566	POS AT condensed section	DEF AT
14570 /14567	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14630 /14627	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14720 /14717	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
14780 /14777	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14840 /14837	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14930 /14927	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15170 /15166	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
15380 /15376	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15410 /15406	DEF AT floral flood	DEF AT
15590 /15586	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
15800 /15796	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
15980 /15976	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 195	Date of Summary: 01-AUG-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: N	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16820 /16815	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17060 /17055	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17180 /17175	DEF AT reworked material	DEF AT
17390 /17385	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
18050 /18044	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18110 /18104	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
18200 /18194	DEF AT Upper Miocene (Messinian) Discoaster quinquereamus	DEF AT
18365 /18359	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18410 /18404	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18500 /18494	DEF AT reworked material	DEF AT
18560 /18553	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
18800 /18793	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18890 /18883	DEF AT Upper Miocene (Messinian) Discoaster quinquereamus	DEF AT
19070 /19062	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19280 /19271	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 195	Date of Summary: 01-NOV-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Tiger Prospect, two apparent repeat sections of Middle Pliocene age were observed between 18140 to 18890 and 18890 to TD (19309), foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 4020	DEF AT first sample examined	DEF AT 4
4100 / 4100	DEF IN Holocene Globorotalia inflata	DEF AT 4
4130 / 4130	DEF AT local marker foram increase	DEF AT 5
4190 / 4190	DEF AT - - - - -	DEF AT 4
4220 / 4220	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4580 / 4580	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
4850 / 4850	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5119 / 5119	DEF AT pyrite	DEF AT 4
5120 / 5120	DEF AT local marker foram increase	DEF AT 4
5720 / 5720	DEF AT foram flood	DEF AT 4
6080 / 6080	DEF AT - - - - -	DEF IN 3
6440 / 6440	DEF AT - - - - -	DEF AT 4
6530 / 6530	DEF AT local marker planktic foram increase	DEF AT 4
6800 / 6800	DEF AT - - - - -	DEF AT 5
7160 / 7160	DEF AT local marker foram increase	DEF AT 6
7190 / 7190	DEF AT transported shelf fauna	DEF AT 6
7310 / 7310	DEF AT - - - - -	DEF AT 5
7400 / 7400	DEF AT - - - - -	DEF AT 4
7430 / 7430	DEF AT local marker foram increase	DEF AT 4
8240 / 8240	DEF AT - - - - -	POS AT 4
8330 / 8330	DEF AT - - - - -	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 195	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 4020
<b>Lease Number:</b> G24159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19309
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19300
<b>API Well Number:</b> 608114037600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4020 - 19309	<b>Water Depth:</b> 1844
<b>Public Info Code:</b> Y 18-JUN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "A")	DEF AT 6
8420 / 8420	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 6
8480 / 8480	DEF AT -----	DEF AT 5
8780 / 8780	DEF AT -----	POS AT 5
9140 / 9140	DEF AT -----	DEF AT 4
9290 / 9290	DEF AT local marker deep water fauna	DEF AT 5
9500 / 9500	DEF AT -----	POS AT 5
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF AT 6
9680 / 9680	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 6
9830 / 9830	DEF AT -----	DEF AT 5
9889 / 9889	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9890 / 9890	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10070 /10070	DEF AT -----	DEF AT 4
10400 /10400	DEF AT -----	POS AT 4
10850 /10849	DEF AT -----	DEF AT 5
11210 /11209	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
11270 /11269	DEF AT -----	DEF AT 4
11480 /11479	DEF AT reworked material	DEF AT 5
11570 /11569	DEF AT -----	DEF AT 4
11750 /11749	DEF AT -----	DEF AT 5
11810 /11809	DEF AT -----	POS AT 5
12410 /12408	DEF AT -----	DEF AT 6
12439 /12437	DEF AT condensed section	DEF AT 6
12440 /12438	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 195  
Lease Number: G24159  
Well Name: 001  
API Well Number: 608114037600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 18-JUN-2009

Date of Summary: 01-NOV-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 4020 - 19309  
Ecozone Eq MMS: Y

First Sample Examined: 4020  
Borehole MD: 19309  
Borehole TVD: 19300  
Rkb Elevation: 72  
Water Depth: 1844  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12469 /12467	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 6
12470 /12468	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 6
12650 /12648	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6
12800 /12798	DEF AT -----	DEF AT 4
12860 /12858	DEF AT -----	DEF AT 5
12950 /12948	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13100 /13098	DEF AT -----	DEF AT 4
13460 /13458	DEF AT -----	DEF AT 5
13519 /13517	DEF AT pyrite	DEF AT 5
13520 /13518	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
13580 /13578	DEF AT -----	DEF AT 4
13700 /13697	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
13820 /13817	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13879 /13876	DEF AT limestone	DEF AT 5
13880 /13877	DEF AT local marker foram increase	DEF AT 5
14150 /14147	DEF AT -----	DEF AT 4
14300 /14297	DEF AT -----	POS AT 4
14510 /14507	DEF AT local marker benthic foram increase	DEF AT 4
14600 /14597	DEF AT -----	DEF AT 5
14720 /14717	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
14930 /14927	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15080 /15077	DEF AT -----	DEF AT 4
15200 /15196	POS AT reworked material	DEF AT 5
15230 /15226	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 195	Date of Summary: 01-NOV-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15439 /15435	DEF AT Bathysiphon fauna	DEF AT 5
15440 /15436	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
15860 /15856	DEF AT - - - - -	DEF AT 4
15980 /15976	DEF AT - - - - -	DEF AT 5
16100 /16096	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16160 /16155	DEF AT - - - - -	DEF AT 4
16310 /16305	DEF IN Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
16670 /16665	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16790 /16785	DEF AT Bathysiphon fauna	DEF AT 5
17000 /16995	POS AT condensed section	DEF AT 5
17030 /17025	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
17060 /17055	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
17090 /17085	DEF AT local marker deep water fauna	DEF AT 5
17150 /17145	DEF AT - - - - -	DEF AT 4
17210 /17205	DEF AT reworked material	DEF AT 4
17300 /17295	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17330 /17325	DEF AT - - - - -	DEF AT 5
17360 /17355	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
17540 /17535	DEF AT local marker foram decrease	DEF AT 4
17975 /17969	DEF AT - - - - -	POS AT 4
18110 /18104	DEF AT - - - - -	DEF AT 4
18138 /18132	DEF AT out-of-place section	DEF AT 6
18139 /18133	DEF AT foram flood	DEF AT 6
18140 /18134	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 195	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 4020
<b>Lease Number:</b> G24159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19309
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19300
<b>API Well Number:</b> 608114037600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4020 - 19309	<b>Water Depth:</b> 1844
<b>Public Info Code:</b> Y 18-JUN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18200 /18194	DEF AT local marker foram increase	DEF AT 6
18320 /18314	DEF AT - - - - -	DEF AT 4
18410 /18404	DEF AT Eggerella 3 (local marker)	DEF AT 5
18470 /18464	DEF AT Arenaceous fauna (local marker)	DEF AT 5
18620 /18613	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
18888 /18881	DEF AT out-of-place section	DEF IN 6
18889 /18882	DEF AT foram flood	DEF IN 6
18890 /18883	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 6
18990 /18982	DEF AT local marker foram increase	DEF IN 6
19010 /19002	DEF AT - - - - -	DEF AT 5
19190 /19182	DEF AT Eggerella 3 (local marker)	DEF AT 5
19250 /19241	DEF AT Arenaceous fauna (local marker)	DEF AT 5
19309 /19300	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 195	Date of Summary: 01-SEP-2003	First Sample Examined: 15840
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19400
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18577
API Well Number: 608114037601	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 15840 - 19400	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Tiger Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15840 /15836	DEF AT first sample examined	DEF AT
15841 /15837	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
15900 /15896	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16020 /16015	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
16890 /16849	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17280 /17180	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19400 /18577	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 195	Date of Summary: 01-OCT-2003	First Sample Examined: 15840
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19400
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18577
API Well Number: 608114037601	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 15840 - 19400	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Tiger Prospect, due to the Middle Pliocene repeat section as well as the occurrence of older Miocene foram markers, the section below 17090 in the original hole (GC195#1) does not correlate with the lower portion (below *Tritaxilina atlantica* at 17370) of the sidetrack, correlations of markers between the original hole and the sidetrack are summarized in the consultant report on the sidetrack, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15840 /15836	DEF AT first sample examined	DEF IN 4
15841 /15837	DEF IN Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / <i>nepenthes</i> "B"	DEF IN 4
15900 /15896	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF IN 4
15960 /15955	DEF AT - - - - -	DEF AT 5
15990 /15985	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16080 /16075	DEF AT Upper Miocene (Messinian) <i>Textularia tatumi</i>	DEF IN 5
16200 /16194	DEF AT - - - - -	DEF AT 5
16380 /16371	DEF AT - - - - -	DEF IN 4
16620 /16601	DEF AT transported shelf fauna	DEF IN 4
16680 /16657	DEF AT limestone	DEF IN 4
16800 /16767	DEF AT - - - - -	DEF AT 5
16860 /16822	DEF AT local marker benthic foram increase	DEF AT 4
16980 /16928	DEF AT <i>Bathysiphon</i> fauna	DEF AT 4
17070 /17005	POS AT ash	DEF AT 4
17280 /17180	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17370 /17251	DEF AT Upper Miocene (Tortonian) <i>Planulina renzi</i>	DEF AT 5
17400 /17274	DEF AT Upper Miocene (Tortonian) <i>Globorotalia acostaensis</i> (coiling change right/left)	DEF AT 6
17460 /17320	DEF AT - - - - -	DEF AT 5
17580 /17408	DEF AT Upper Miocene (Tortonian) <i>Reophax davepopei</i>	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 195	<b>Date of Summary:</b> 01-OCT-2003	<b>First Sample Examined:</b> 15840
<b>Lease Number:</b> G24159	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18577
<b>API Well Number:</b> 608114037601	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15840 - 19400	<b>Water Depth:</b> 1844
<b>Public Info Code:</b> Y 18-JUN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17700 /17491	DEF AT - - - - -	DEF AT 4
18180 /17792	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18480 /17977	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18930 /18263	DEF AT local marker benthic foram increase	DEF AT 4
19050 /18342	DEF IN Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
19080 /18362	DEF AT local marker benthic foram increase	DEF AT 4
19140 /18402	DEF AT local marker benthic foram increase	DEF AT 4
19320 /18523	DEF AT Bathysiphon fauna	DEF AT 4
19400 /18577	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 199	Date of Summary: 01-APR-2003	First Sample Examined: 5237
Lease Number: G24160	Source of Paleo: OPERATOR	Borehole MD: 10787
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10448
API Well Number: 608114036600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 5237 - 10787	Water Depth: 2182
Public Info Code: Y 29-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5237 / 5237	DEF AT first sample examined	DEF AT 4
5238 / 5238	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
5780 / 5780	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5900 / 5900	DEF AT -----	DEF AT 4
6200 / 6200	POS AT local marker foram increase	DEF AT 5
6380 / 6380	DEF AT -----	DEF AT 4
7280 / 7280	DEF AT -----	DEF AT 5
7400 / 7400	DEF AT local marker foram increase	DEF AT 5
7640 / 7639	DEF AT -----	DEF AT 4
7880 / 7879	DEF AT transported shelf fauna	DEF AT 4
8720 / 8702	DEF AT -----	DEF IN 3
9080 / 9025	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 3
9440 / 9329	DEF AT -----	DEF AT 4
9680 / 9529	DEF AT -----	DEF IN 5
9740 / 9579	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9860 / 9679	DEF AT reworked material	DEF IN 6
10100 / 9878	DEF AT -----	DEF IN 4
10280 /10027	DEF AT -----	DEF AT 4
10400 /10127	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10460 /10177	DEF AT transported shelf fauna	DEF AT 4
10787 /10448	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 199	Date of Summary: 01-APR-2003	First Sample Examined: 5237
Lease Number: G24160	Source of Paleo: OPERATOR	Borehole MD: 10787
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10448
API Well Number: 608114036600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 5237 - 10787	Water Depth: 2182
Public Info Code: Y 29-APR-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5237 / 5237	DEF AT first sample examined	DEF AT
5238 / 5238	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5480 / 5480	DEF AT local marker floral increase	DEF AT
6320 / 6320	DEF AT local marker floral increase	DEF AT
7400 / 7400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7460 / 7459	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8600 / 8589	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9260 / 9177	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9680 / 9529	DEF AT reworked material	DEF AT
10400 /10127	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10460 /10177	DEF AT local marker floral increase	DEF AT
10787 /10448	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 199	Date of Summary: 01-APR-2003	First Sample Examined: 10760
Lease Number: G24160	Source of Paleo: OPERATOR	Borehole MD: 13472
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12690
API Well Number: 608114036601	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9410 - 13404	Water Depth: 2177
Public Info Code: Y 14-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10760 /10434	DEF AT first sample examined	DEF AT 4
10910 /10559	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10940 /10584	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
11000 /10634	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11120 /10733	DEF AT -----	DEF AT 4
11540 /11083	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11570 /11108	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 6
11600 /11133	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
11640 /11166	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
11720 /11233	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
11750 /11258	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
11808 /11306	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 6
11809 /11307	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 6
11810 /11307	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 6
11870 /11357	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 6
11990 /11457	DEF AT -----	DEF AT 6
12080 /11532	DEF AT -----	DEF AT 5
12140 /11582	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
12560 /11932	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12680 /12032	DEF AT -----	DEF AT 5
12800 /12132	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
13100 /12381	DEF AT local marker foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 199	Date of Summary: 01-APR-2003	First Sample Examined: 10760
Lease Number: G24160	Source of Paleo: OPERATOR	Borehole MD: 13472
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12690
API Well Number: 608114036601	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9410 - 13404	Water Depth: 2177
Public Info Code: Y 14-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13219 /12480	DEF AT pyrite	DEF AT 6
13220 /12481	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
13280 /12531	DEF AT -----	DEF AT 5
13404 /12634	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 199	Date of Summary: 01-APR-2003	First Sample Examined: 10760
Lease Number: G24160	Source of Paleo: OPERATOR	Borehole MD: 13472
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12690
API Well Number: 608114036601	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9410 - 13404	Water Depth: 2177
Public Info Code: Y 14-MAY-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10760 /10434	DEF AT first sample examined	DEF AT
10789 /10458	POS AT reworked material	DEF AT
10790 /10459	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10970 /10609	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11000 /10634	DEF AT reworked material	DEF AT
11030 /10659	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11120 /10733	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11390 /10958	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
11540 /11083	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11570 /11108	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
11600 /11133	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
11630 /11158	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11720 /11233	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
11810 /11307	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11840 /11332	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11870 /11357	DEF AT local marker floral increase	DEF AT
11990 /11457	DEF AT local marker floral increase	DEF AT
12080 /11532	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12230 /11657	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica "B"	DEF AT
12380 /11782	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12530 /11907	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12620 /11982	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 199	<b>Date of Summary:</b> 01-APR-2003	<b>First Sample Examined:</b> 10760
<b>Lease Number:</b> G24160	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13472
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12690
<b>API Well Number:</b> 608114036601	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9410 - 13404	<b>Water Depth:</b> 2177
<b>Public Info Code:</b> Y 14-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13100 /12381	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
13404 /12634	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 199	Date of Summary: 01-JUN-2003	First Sample Examined: 13370
Lease Number: G24160	Source of Paleo: OPERATOR	Borehole MD: 18703
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17432
API Well Number: 608114036602	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13370 - 18703	Water Depth: 2177
Public Info Code: Y 26-JUL-2013	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13370 /12622	DEF AT first sample examined	DEF AT 4
13371 /12622	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
13580 /12795	DEF AT -----	DEF AT 5
13850 /13016	DEF AT local marker foram decrease	DEF AT 4
14480 /13546	POS AT local marker foram increase	DEF IN 4
15200 /14176	DEF AT local marker foram increase	DEF AT 5
15500 /14440	DEF AT -----	DEF IN 4
15680 /14602	DEF AT -----	DEF AT 4
15860 /14766	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15980 /14878	DEF AT -----	DEF AT 5
16040 /14935	DEF AT local marker foram increase	DEF AT 5
16190 /15077	DEF AT local marker foram increase	DEF AT 5
16640 /15508	DEF AT Eggerella 3 (local marker)	DEF AT 5
16700 /15565	DEF AT -----	DEF IN 4
16760 /15622	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 5
16790 /15651	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
17060 /15907	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
17090 /15935	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 6
17200 /16038	DEF AT local marker foram decrease	DEF AT 6
17210 /16048	DEF AT -----	DEF IN 4
17870 /16663	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
18110 /16887	DEF AT -----	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 199	<b>Date of Summary:</b> 01-JUN-2003	<b>First Sample Examined:</b> 13370
<b>Lease Number:</b> G24160	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18703
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17432
<b>API Well Number:</b> 608114036602	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13370 - 18703	<b>Water Depth:</b> 2177
<b>Public Info Code:</b> Y 26-JUL-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18260 /17026	DEF AT Arenaceous fauna (local marker)	DEF IN 4
18320 /17081	DEF AT Bathysiphon fauna	DEF AT 5
18440 /17192	DEF AT - - - - -	DEF IN 4
18500 /17247	DEF AT transported shelf fauna	DEF IN 4
18650 /17384	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
18703 /17433	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 199	Date of Summary: 01-JUL-2003	First Sample Examined: 13430
Lease Number: G24160	Source of Paleo: OPERATOR	Borehole MD: 18703
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17432
API Well Number: 608114036602	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13340 - 18703	Water Depth: 2177
Public Info Code: Y 26-JUL-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 15320=Upper Miocene (Tortonian) Discoaster berggrenii C increase, 16010=Upper Miocene Discoaster berggrenii C acme, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13340 /12596	DEF AT first sample examined	DEF AT
13550 /12771	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
13580 /12795	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
13730 /12917	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15320 /14281	DEF AT local marker floral increase	DEF AT
16009 /14905	DEF AT floral flood	DEF AT
16010 /14906	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16190 /15077	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16400 /15279	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16760 /15622	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16940 /15793	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17240 /16076	POS AT Upper Miocene (Tortonian) Reticulofenestra pseudoumbilica "C"	DEF AT
17480 /16300	DEF IN Upper Miocene (Tortonian) Reticulofenestra pseudoumbilica "C"	DEF AT
17780 /16579	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17930 /16719	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18260 /17026	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
18680 /17412	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 200	Date of Summary: 22-JUN-1994	First Sample Examined: 8160
Lease Number: G11043	Source of Paleo: OPERATOR	Borehole MD: 16212
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15736
API Well Number: 608114019700	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 84
Paleo Report Num: 1 of 4	Sample Range: 8160 - 11190	Water Depth: 2761
Public Info Code: Y 29-JUN-2004	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Troika Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8160 / 8160	DEF AT first sample examined	DEF AT
10350 /10350	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
11190 /11188	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 200	Date of Summary: 22-JUN-1994	First Sample Examined: 10400
Lease Number: G11043	Source of Paleo: OPERATOR	Borehole MD: 16212
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15736
API Well Number: 608114019700	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 10400 - 16212	Water Depth: 2761
Public Info Code: Y 29-JUN-2004	Ecozone Eq MMS:	Paleo ID: 005

**Remark:** Troika Prospect, calcareous nannofossil report for bypass, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 /10400	DEF AT first sample examined	DEF AT
10520 /10519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
12290 /12271	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13130 /13074	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13670 /13583	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14000 /13891	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15800 /15387	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15830 /15413	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15920 /15489	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16010 /15565	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16212 /15736	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 200	<b>Date of Summary:</b> 24-JUN-1994	<b>First Sample Examined:</b> 8160
<b>Lease Number:</b> G11043	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16212
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15736
<b>API Well Number:</b> 608114019700	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 8160 - 11200	<b>Water Depth:</b> 2761
<b>Public Info Code:</b> Y 29-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Troika Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8160 / 8160	DEF AT first sample examined	DEF AT 5
8670 / 8670	DEF AT - - - - -	DEF AT 4
11200 /11198	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 200	<b>Date of Summary:</b> 24-JUN-1994	<b>First Sample Examined:</b> 10400
<b>Lease Number:</b> G11043	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16212
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15736
<b>API Well Number:</b> 608114019700	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 10400 - 16212	<b>Water Depth:</b> 2761
<b>Public Info Code:</b> Y 29-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Troika Prospect, bypass report, poor foram sample quality, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 /10400	DEF AT first sample examined	DEF AT 4
14720 /14509	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
15830 /15413	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
15920 /15489	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
16212 /15736	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 200	Date of Summary: 10-JUL-1997	First Sample Examined: 15980
Lease Number: G11043	Source of Paleo: OPERATOR	Borehole MD: 18700
Well Name: TA002	Paleo Done By: OPERATOR	Borehole TVD: 15531
API Well Number: 608114021700	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15980 - 18700	Water Depth: 2670
Public Info Code: Y 24-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Troika Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15980 /13497	DEF AT first sample examined	DEF AT
15981 /13498	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16670 /14012	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18260 /15209	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18290 /15231	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18380 /15298	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18700 /15531	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 200	Date of Summary: 10-JUL-1997	First Sample Examined: 17344
Lease Number: G11043	Source of Paleo: OPERATOR	Borehole MD: 18458
Well Name: TA002	Paleo Done By: OPERATOR	Borehole TVD: 15434
API Well Number: 608114021701	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 17344 - 18450	Water Depth: 2670
Public Info Code: Y 24-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Troika Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17344 /14518	DEF AT first sample examined	DEF AT
17345 /14519	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18120 /15147	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18150 /15173	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18240 /15249	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18450 /15427	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 200	Date of Summary: 04-SEP-1997	First Sample Examined: 14466
Lease Number: G12209	Source of Paleo: OPERATOR	Borehole MD: 16930
Well Name: TA001	Paleo Done By: OPERATOR	Borehole TVD: 15928
API Well Number: 608114021600	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 14465 - 16430	Water Depth: 2670
Public Info Code: Y 22-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Troika Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14465 /13465	DEF AT first sample examined	DEF AT
14466 /13466	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14940 /13940	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16380 /15379	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16430 /15429	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 200	Date of Summary: 14-JUL-1997	First Sample Examined: 14598
Lease Number: G12209	Source of Paleo: OPERATOR	Borehole MD: 17050
Well Name: TA003	Paleo Done By: OPERATOR	Borehole TVD: 15481
API Well Number: 608114021800	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 14598 - 17050	Water Depth: 2670
Public Info Code: Y 08-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Troika Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14598 /13346	DEF AT first sample examined	DEF AT
14599 /13347	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15200 /13871	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16520 /15022	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16550 /15049	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16580 /15075	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17050 /15481	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 202	<b>Date of Summary:</b> 06-NOV-2002	<b>First Sample Examined:</b> 13030
<b>Lease Number:</b> G07998	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17021
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16073
<b>API Well Number:</b> 608114035100	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13030 - 17021	<b>Water Depth:</b> 3161
<b>Public Info Code:</b> Y 30-NOV-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark: Brutus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13030 /13029	DEF AT first sample examined	DEF IN 3
13090 /13089	DEF AT -----	DEF IN 4
13120 /13119	DEF AT -----	DEF AT 4
13900 /13890	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
13930 /13919	DEF AT limestone	DEF IN 3
14020 /14006	DEF AT transported inner shelf facies	POS IN 3
14740 /14653	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
14770 /14676	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
15505 /15155	DEF AT local marker foram increase	DEF AT 4
15595 /15208	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
15625 /15227	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
15670 /15254	DEF AT -----	DEF AT 5
15685 /15263	DEF AT local marker foram increase	DEF AT 5
15715 /15282	DEF AT foram flood	DEF AT 5
15730 /15291	DEF AT -----	DEF AT 4
16615 /15829	DEF AT -----	DEF AT 5
16690 /15874	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
16870 /15981	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17005 /16063	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
17020 /16072	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 202	Date of Summary: 05-DEC-2002	First Sample Examined: 13900
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 17021
Well Name: 002	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 16073
API Well Number: 608114035100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13900 - 17021	Water Depth: 3161
Public Info Code: Y 30-NOV-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Brutus Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13900 /13890	DEF AT first sample examined	DEF AT
13901 /13891	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14290 /14261	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15640 /15236	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16405 /15702	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16930 /16018	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
17021 /16073	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 202	Date of Summary: 27-NOV-2002	First Sample Examined: 13010
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 16522
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16201
API Well Number: 608114035101	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 13010 - 16522	Water Depth: 3161
Public Info Code: Y 11-DEC-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13010 /13009	DEF AT first sample examined	DEF AT 4
13930 /13910	POS AT local marker benthic foram increase	DEF IN 3
14080 /14048	DEF AT -----	DEF AT 3
14920 /14790	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
15160 /15001	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
15370 /15186	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
15415 /15225	DEF AT -----	DEF AT 4
16255 /15965	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
16270 /15979	DEF AT -----	DEF AT 5
16300 /16005	DEF AT -----	POS AT 4
16345 /16045	DEF AT -----	DEF AT 4
16522 /16201	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 202	<b>Date of Summary:</b> 06-NOV-2002	<b>First Sample Examined:</b> 13550
<b>Lease Number:</b> G07998	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18055
<b>Well Name:</b> 002	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 16936
<b>API Well Number:</b> 608114035102	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13550 - 18055	<b>Water Depth:</b> 3161
<b>Public Info Code:</b> Y 17-DEC-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13550 /13544	DEF AT first sample examined	DEF AT
13850 /13836	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14930 /14797	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16205 /15682	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16970 /16199	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17975 /16881	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18055 /16936	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 202	<b>Date of Summary:</b> 03-DEC-2002	<b>First Sample Examined:</b> 13550
<b>Lease Number:</b> G07998	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18055
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16936
<b>API Well Number:</b> 608114035102	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13550 - 18055	<b>Water Depth:</b> 3161
<b>Public Info Code:</b> Y 17-DEC-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13550 /13544	DEF AT first sample examined	DEF IN 3
13940 /13923	POS AT local marker benthic foram increase	DEF IN 3
14930 /14797	DEF AT local marker foram increase	DEF AT 4
14960 /14820	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
16205 /15682	POS AT local marker planktic foram increase	DEF AT 4
16235 /15702	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
17090 /16280	POS AT reworked material	POS AT 4
17375 /16472	POS AT local marker planktic foram increase	DEF AT 4
17390 /16482	DEF AT -----	DEF IN 3
17615 /16634	POS IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
17810 /16767	DEF AT local marker planktic foram increase	DEF AT 4
17840 /16788	DEF AT -----	DEF AT 5
17855 /16798	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17915 /16840	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
17930 /16850	DEF AT Cyclamina cancellata (local marker)	DEF AT 5
18005 /16902	DEF AT limestone	DEF AT 5
18034 /16922	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
18035 /16922	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18055 /16936	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 205	Date of Summary: 28-OCT-1991	First Sample Examined: 4580
Lease Number: G05911	Source of Paleo: OPERATOR	Borehole MD: 14853
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13685
API Well Number: 608115007800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4580 - 14853	Water Depth: 2700
Public Info Code: Y 22-SEP-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Genesis Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4580 / 4580	DEF AT first sample examined	POS AT 4
4581 / 4581	DEF AT cement	POS AT 4
4760 / 4760	DEF AT - - - - -	DEF AT 4
6380 / 6380	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7670 / 7670	DEF AT - - - - -	DEF AT 5
9890 / 9884	DEF AT - - - - -	DEF IN 5
10040 /10029	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
13700 /12870	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13880 /13001	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14853 /13685	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 205	Date of Summary: 28-OCT-1991	First Sample Examined: 9200
Lease Number: G05911	Source of Paleo: OPERATOR	Borehole MD: 13300
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12861
API Well Number: 608115007801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 9200 - 13300	Water Depth: 2643
Public Info Code: Y 31-OCT-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Genesis Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9200 / 9200	DEF AT first sample examined	POS IN 5
9201 / 9201	DEF AT cement	POS IN 5
9860 / 9851	DEF AT - - - - -	DEF IN 5
10160 /10146	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
12500 /12208	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12590 /12281	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
13300 /12861	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 205	Date of Summary: 04-MAY-1995	First Sample Examined: 4860
Lease Number: G05911	Source of Paleo: OPERATOR	Borehole MD: 13300
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12861
API Well Number: 608115007801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4860 - 12660	Water Depth: 2643
Public Info Code: Y 31-OCT-2001	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Genesis Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4860 / 4860	DEF AT first sample examined	POS AT 1
5210 / 5210	DEF AT -----	DEF AT 1
6140 / 6140	DEF AT -----	DEF AT 2
6650 / 6650	DEF AT -----	DEF AT 4
6680 / 6680	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
7770 / 7770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
8010 / 8010	DEF AT -----	DEF AT 3
9780 / 9772	DEF AT -----	DEF AT 2
10440 /10422	DEF AT -----	DEF AT 4
10620 /10596	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10980 /10935	DEF AT -----	DEF AT 2
11430 /11331	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 2
11700 /11561	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT 4
11730 /11586	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
11970 /11784	DEF AT -----	POS AT 2
12180 /11949	DEF AT -----	DEF AT 3
12480 /12192	DEF AT -----	DEF AT 2
12660 /12339	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 205	Date of Summary: 24-AUG-1995	First Sample Examined: 4860
Lease Number: G05911	Source of Paleo: OPERATOR	Borehole MD: 12660
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12641
API Well Number: 608115008800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 4860 - 12660	Water Depth: 2600
Public Info Code: Y 16-FEB-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Genesis Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
4860 / 4860	DEF AT first sample examined	DEF AT
5210 / 5210	POS AT transported shelf fauna	POS IN 4
6140 / 6140	DEF AT transported shelf fauna	POS IN 4
6650 / 6650	DEF AT - - - - -	DEF IN 4
6680 / 6680	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
7770 / 7770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
8010 / 8010	POS AT transported outer shelf facies	POS IN 4
9780 / 9776	DEF AT transported shelf fauna	POS IN 4
10440 /10428	DEF AT - - - - -	DEF IN 4
10620 /10606	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
10980 /10963	POS AT transported shelf fauna	POS IN 4
11430 /11411	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS IN 4
11700 /11681	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
11730 /11711	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
11970 /11951	POS AT transported shelf fauna	POS AT 5
12180 /12161	POS AT transported outer shelf facies	POS AT 5
12480 /12461	POS AT transported shelf fauna	POS AT 5
12660 /12641	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 205	Date of Summary: 01-SEP-1995	First Sample Examined: 8970
Lease Number: G05911	Source of Paleo: OPERATOR	Borehole MD: 13665
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12966
API Well Number: 608115008801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 8970 - 13665	Water Depth: 2600
Public Info Code: Y 23-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Genesis Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8970 / 8969	DEF AT first sample examined	POS IN 4
9840 / 9821	DEF AT transported shelf fauna	POS IN 4
10410 /10349	DEF AT - - - - -	DEF IN 4
10800 /10683	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
11280 /11072	DEF AT transported shelf fauna	POS IN 4
11610 /11336	DEF AT - - - - -	DEF IN 4
12300 /11883	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
12630 /12142	DEF AT transported outer shelf facies	POS IN 4
12990 /12428	DEF AT transported outer shelf facies	POS AT 5
13620 /12931	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 5
13650 /12954	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	POS AT 5
13665 /12966	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 212	<b>Date of Summary:</b> 23-OCT-1998	<b>First Sample Examined:</b> 4125
<b>Lease Number:</b> G18344	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12840
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12157
<b>API Well Number:</b> 608114023200	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4125 - 12840	<b>Water Depth:</b> 2585
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4125 / 4125	DEF AT first sample examined	POS AT 4
4126 / 4126	DEF AT cement	POS AT 4
5390 / 5389	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	POS AT 5
7950 / 7945	POS AT Lower Pleistocene (Calabrian) Stilosomella antillea	POS AT 5
9780 / 9713	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS AT 5
11550 /11119	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 5
12148 /11595	DEF AT condensed section	POS AT 5
12149 /11596	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 5
12150 /11597	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 5
12270 /11691	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
12300 /11715	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12840 /12157	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 212	Date of Summary: 23-OCT-1998	First Sample Examined: 4125
Lease Number: G18344	Source of Paleo: OPERATOR	Borehole MD: 12840
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12157
API Well Number: 608114023200	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 4125 - 12840	Water Depth: 2585
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4125 / 4125	DEF AT first sample examined	DEF AT
5940 / 5937	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8550 / 8543	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9748 / 9686	DEF AT maximum flooding surface	DEF AT
9750 / 9687	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9779 / 9712	DEF AT condensed section	DEF AT
9780 / 9713	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10889 /10601	DEF AT maximum flooding surface	DEF AT
10890 /10602	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11550 /11119	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11609 /11166	DEF AT maximum flooding surface	DEF AT
11610 /11167	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12087 /11547	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12088 /11548	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12089 /11548	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12090 /11549	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12150 /11597	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12299 /11714	DEF AT maximum flooding surface	DEF AT
12300 /11715	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12418 /11810	DEF AT maximum flooding surface	DEF AT
12419 /11811	DEF IN condensed section	DEF AT
12420 /11811	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 212	<b>Date of Summary:</b> 23-OCT-1998	<b>First Sample Examined:</b> 4125
<b>Lease Number:</b> G18344	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12840
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12157
<b>API Well Number:</b> 608114023200	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4125 - 12840	<b>Water Depth:</b> 2585
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12449 /11835	DEF AT maximum flooding surface	DEF AT
12450 /11836	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12840 /12157	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 230	Date of Summary: 19-JUL-2013	First Sample Examined: 4830
Lease Number: G33241	Source of Paleo: OPERATOR	Borehole MD: 21857
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21064
API Well Number: 608114060600	Drilling Operator: APACHE DEEPWATER LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4830 - 21857	Water Depth: 2716
Public Info Code: Y 12-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4830 / 4830	DEF AT first sample examined	DEF IN 5
5250 / 5250	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
5610 / 5610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 5
7620 / 7620	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
11640 /11469	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
13410 /13067	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
15150 /14638	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
16650 /15992	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
19049 /18256	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
19050 /18257	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
21857 /21064	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 3400
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 9224
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9222
API Well Number: 608114021400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3400 - 9130	Water Depth: 1965
Public Info Code: Y 27-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3400 / 3399	DEF AT first sample examined	DEF AT
3700 / 3698	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5200 / 5198	DEF AT - - - - -	DEF AT 4
5260 / 5258	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5440 / 5438	DEF AT transported shelf fauna	POS AT 4
5680 / 5678	DEF AT - - - - -	DEF AT 4
5770 / 5768	DEF AT sample gap top	POS AT 4
6520 / 6518	DEF AT sample gap bottom	DEF AT 5
8169 / 8167	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
8170 / 8168	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9130 / 9128	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 5810
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 17616
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608114021401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5810 - 17616	Water Depth: 1965
Public Info Code: Y 12-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5810 / 5808	DEF AT first sample examined	DEF AT
7990 / 7982	DEF AT - - - - -	DEF AT 5
8110 / 8102	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8230 / 8222	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9580 / 9572	DEF AT - - - - -	POS AT 5
10030 /10022	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 5
10510 /10502	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 5
11080 /11072	DEF AT - - - - -	DEF AT 5
12550 /12541	DEF AT transported shelf fauna	POS AT 5
13240 /13206	DEF AT transported outer shelf facies	POS AT 5
13660 /13586	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13780 /13693	DEF AT transported shelf fauna	POS AT 6
13840 /13746	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	POS AT 6
14110 /13982	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 6
14260 /14110	DEF AT - - - - -	DEF AT 5
14500 /14313	DEF AT - - - - -	DEF AT 4
14920 /14668	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15160 /14871	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
15460 /15126	DEF AT - - - - -	DEF AT 5
15790 /15406	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
16060 /15634	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
17020 /16466	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 5810
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 17616
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608114021401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5810 - 17616	Water Depth: 1965
Public Info Code: Y 12-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17616 /17000	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 14910
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15552
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15227
API Well Number: 608114021402	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14910 - 15540	Water Depth: 1965
Public Info Code: Y 18-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14910 /14660	DEF AT first sample examined	DEF AT 5
15540 /15216	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 11870
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15715
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15171
API Well Number: 608114021403	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11870 - 15715	Water Depth: 1965
Public Info Code: Y 27-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11870 /11862	DEF AT first sample examined	POS AT 4
11871 /11863	DEF IN transported shelf fauna	POS AT 4
12170 /12162	DEF AT -----	DEF AT 4
12290 /12281	DEF AT -----	DEF AT 5
12950 /12925	DEF AT transported inner shelf facies	POS AT 5
13190 /13150	DEF IN transported inner shelf facies	POS AT 5
13459 /13392	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
13460 /13393	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13550 /13470	DEF AT -----	DEF AT 5
13610 /13521	DEF AT transported shelf fauna	POS AT 5
13910 /13759	DEF AT -----	DEF AT 4
14240 /14013	DEF AT -----	DEF AT 5
14600 /14291	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14720 /14385	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14780 /14432	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
14840 /14479	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
14930 /14549	DEF AT -----	DEF AT 5
15050 /14644	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
15715 /15171	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 236	<b>Date of Summary:</b> 14-OCT-1999	<b>First Sample Examined:</b> 11640
<b>Lease Number:</b> G15562	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23508
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23277
<b>API Well Number:</b> 608114025200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11640 - 23508	<b>Water Depth:</b> 1987
<b>Public Info Code:</b> Y 11-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark: Typhoon Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11640 /11639	DEF AT first sample examined	DEF AT 3
11670 /11669	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 3
12000 /11999	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
12030 /12029	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 3
12060 /12059	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
12180 /12179	DEF AT faunal change (no faunal increase)	DEF IN 3
13200 /13199	DEF AT local marker foram increase	DEF IN 3
13440 /13439	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
13920 /13919	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14040 /14039	DEF AT faunal change (no faunal increase)	DEF AT 4
14070 /14069	DEF AT faunal change (no faunal increase)	DEF IN 3
14100 /14099	DEF AT faunal change (no faunal increase)	DEF AT 4
14160 /14159	DEF AT faunal change (no faunal increase)	DEF IN 3
14459 /14458	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
14460 /14459	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14490 /14489	DEF AT foram flood	DEF AT 5
14550 /14549	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
14580 /14579	DEF AT Cyclammia cancellata (local marker)	DEF IN 4
14640 /14639	DEF AT faunal change (no faunal increase)	DEF AT 4
14910 /14909	DEF AT faunal change (no faunal increase)	DEF IN 3
15060 /15059	DEF AT faunal change (no faunal increase)	DEF AT 4
15120 /15119	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 236	<b>Date of Summary:</b> 14-OCT-1999	<b>First Sample Examined:</b> 11640
<b>Lease Number:</b> G15562	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23508
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23277
<b>API Well Number:</b> 608114025200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11640 - 23508	<b>Water Depth:</b> 1987
<b>Public Info Code:</b> Y 11-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15180 /15179	DEF AT faunal change (no faunal increase)	DEF AT 4
15210 /15209	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 4
15300 /15299	DEF AT local marker planktic foram increase	DEF IN 4
15359 /15358	DEF AT - - - - -	DEF IN 4
15360 /15359	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
15480 /15479	DEF AT faunal change (no faunal increase)	DEF AT 4
15780 /15778	DEF AT local marker foram increase	DEF AT 4
15840 /15838	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
15900 /15898	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
16020 /16018	DEF AT faunal change (no faunal increase)	DEF AT 4
16080 /16078	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
16110 /16108	DEF AT faunal change (no faunal increase)	DEF AT 5
16260 /16258	DEF AT faunal change (no faunal increase)	DEF AT 4
16380 /16377	DEF AT faunal change (no faunal increase)	DEF IN 4
16410 /16407	DEF AT faunal change (no faunal increase)	DEF IN 3
16530 /16527	DEF AT faunal change (no faunal increase)	DEF AT 4
16560 /16557	DEF AT local marker foram increase	DEF IN 4
16710 /16707	DEF AT faunal change (no faunal increase)	DEF AT 4
16740 /16737	DEF AT local marker foram increase	DEF AT 5
16770 /16767	DEF AT faunal change (no faunal increase)	DEF IN 4
16980 /16977	DEF AT local marker benthic foram increase	DEF IN 4
17010 /17007	DEF AT faunal change (no faunal increase)	DEF AT 4
17460 /17455	DEF AT faunal change (no faunal increase)	DEF IN 3
17550 /17545	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 14-OCT-1999	First Sample Examined: 11640
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 23508
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23277
API Well Number: 608114025200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 11640 - 23508	Water Depth: 1987
Public Info Code: Y 11-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18030 /18024	DEF AT faunal change (no faunal increase)	DEF AT 4
18090 /18084	DEF AT local marker foram increase	DEF AT 4
18180 /18174	DEF AT local marker foram increase	DEF AT 4
18840 /18828	DEF AT faunal change (no faunal increase)	DEF IN 3
19110 /19093	POS AT reworked material	DEF AT 4
19200 /19181	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19290 /19268	DEF AT faunal change (no faunal increase)	DEF IN 3
20010 /19950	DEF AT faunal change (no faunal increase)	DEF AT 4
20039 /19977	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
20040 /19978	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
20580 /20484	DEF AT faunal change (no faunal increase)	DEF IN 3
20850 /20738	DEF AT faunal change (no faunal increase)	DEF AT 4
21000 /20879	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
21330 /21190	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
21450 /21304	POS AT local marker foram increase	DEF AT 4
22230 /22046	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
22350 /22161	DEF AT faunal change (no faunal increase)	DEF IN 3
22440 /22248	DEF AT faunal change (no faunal increase)	DEF AT 4
23320 /23095	POS AT local marker foram increase	DEF AT 4
23508 /23277	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 10-FEB-2000	First Sample Examined: 11640
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 23508
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23277
API Well Number: 608114025200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 11640 - 23508	Water Depth: 1987
Public Info Code: Y 11-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Typhoon Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11640 /11639	DEF AT first sample examined	DEF AT
11670 /11669	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11730 /11729	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12060 /12059	DEF AT -----	DEF AT 5
13200 /13199	DEF AT -----	DEF AT 4
13470 /13469	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13950 /13949	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
14130 /14129	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
14280 /14279	DEF AT -----	DEF AT 4
14460 /14459	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14490 /14489	DEF AT -----	DEF AT 6
14550 /14549	DEF AT -----	DEF AT 5
14580 /14579	DEF AT -----	DEF AT 4
14640 /14639	DEF AT -----	DEF AT 5
14820 /14819	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
15060 /15059	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15120 /15119	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15210 /15209	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15480 /15479	DEF AT -----	DEF AT 4
15840 /15838	DEF AT -----	DEF AT 5
15930 /15928	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
15960 /15958	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236  
Lease Number: G15562  
Well Name: 002  
API Well Number: 608114025200  
Paleo Report Num: 2 of 2  
Public Info Code: Y 11-NOV-2009

Date of Summary: 10-FEB-2000  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 11640 - 23508  
Ecozone Eq MMS: Y

First Sample Examined: 11640  
Borehole MD: 23508  
Borehole TVD: 23277  
Rkb Elevation: 78  
Water Depth: 1987  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16410 /16407	DEF AT -----	DEF AT 4
16530 /16527	DEF AT -----	DEF AT 5
17010 /17007	DEF AT -----	DEF AT 4
17520 /17515	DEF AT -----	DEF AT 5
17580 /17575	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
18240 /18233	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
18810 /18799	DEF AT -----	DEF AT 4
19110 /19093	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
19170 /19152	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
19320 /19297	DEF AT -----	DEF IN 4
19470 /19441	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4
20640 /20541	DEF AT -----	DEF AT 3
20700 /20597	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 3
20880 /20767	DEF AT -----	DEF AT 5
21240 /21105	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
21300 /21162	DEF AT -----	DEF AT 4
22230 /22046	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
23080 /22863	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 4
23320 /23095	DEF AT -----	DEF AT 5
23470 /23240	DEF AT -----	DEF AT 4
23508 /23277	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 10-FEB-2000	First Sample Examined: 13410
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15960
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15636
API Well Number: 608114025201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 13410 - 15960	Water Depth: 1987
Public Info Code: Y 28-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Typhoon Prospect, company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13410 /13270	DEF AT first sample examined	POS AT 4
13710 /13543	DEF AT -----	DEF AT 4
14040 /13847	DEF AT -----	DEF AT 5
14070 /13875	DEF AT transported shelf fauna	POS AT 5
14460 /14237	DEF AT -----	DEF AT 4
14610 /14378	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14640 /14406	DEF AT -----	DEF AT 6
14670 /14434	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
14730 /14491	DEF AT -----	DEF IN 4
14850 /14604	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
15180 /14914	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15270 /14998	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15540 /15249	DEF AT -----	DEF AT 4
15630 /15332	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
15810 /15498	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
15960 /15636	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 236	<b>Date of Summary:</b> 04-JUL-2005	<b>First Sample Examined:</b> 13713
<b>Lease Number:</b> G15562	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16628
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15441
<b>API Well Number:</b> 608114025202	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13713 - 16620	<b>Water Depth:</b> 1987
<b>Public Info Code:</b> Y 19-NOV-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Typhoon Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13713 /13546	DEF AT first sample examined	DEF AT
13714 /13547	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13830 /13651	DEF AT local marker floral decrease	DEF AT
14070 /13856	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14190 /13951	DEF AT local marker floral decrease	DEF AT
15749 /14870	DEF AT floral flood	DEF AT
15750 /14870	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
15810 /14902	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
15870 /14934	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15990 /15002	DEF AT local marker floral decrease	DEF AT
16050 /15039	DEF AT local marker floral increase	DEF AT
16590 /15412	DEF AT local marker floral decrease	DEF AT
16620 /15434	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 05-JUL-2005	First Sample Examined: 13710
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 16628
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15441
API Well Number: 608114025202	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13710 - 16628	Water Depth: 1987
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Typhoon Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13710 /13543	DEF AT first sample examined	DEF AT 4
14070 /13856	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
14160 /13928	DEF AT -----	DEF AT 5
14190 /13951	DEF AT -----	DEF IN 4
15720 /14854	DEF AT -----	DEF AT 5
15749 /14870	DEF AT foram flood	DEF AT 5
15750 /14870	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15780 /14886	DEF AT pyrite	DEF AT 5
15930 /14967	DEF AT local marker foram decrease	DEF AT 5
16090 /15064	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
16100 /15071	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
16170 /15116	DEF AT local marker foram decrease	DEF AT 5
16260 /15176	DEF AT local marker foram decrease	DEF AT 5
16530 /15367	DEF AT -----	DEF IN 4
16560 /15389	DEF AT local marker benthic foram increase	DEF IN 4
16628 /15440	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 02-AUG-2005	First Sample Examined: 16440
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 17040
Well Name: 004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15663
API Well Number: 608114025203	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 16440 - 17040	Water Depth: 1987
Public Info Code: Y 25-AUG-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Typhoon Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16440 /15239	DEF AT first sample examined	DEF AT
16441 /15239	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16620 /15366	DEF AT local marker floral increase	DEF AT
16740 /15451	DEF AT local marker floral decrease	DEF AT
17040 /15663	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 08-AUG-2005	First Sample Examined: 15970
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 17040
Well Name: 004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15663
API Well Number: 608114025203	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 15970 - 17040	Water Depth: 1987
Public Info Code: Y 25-AUG-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Typhoon Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15990 /14958	DEF AT first sample examined	DEF IN 4
15991 /14959	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
16050 /14990	DEF AT local marker planktic foram increase	DEF AT 5
16080 /15007	DEF AT foram flood	DEF AT 5
16140 /15042	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
16199 /15078	DEF AT pyrite	DEF AT 5
16200 /15079	DEF AT local marker foram decrease	DEF AT 5
16230 /15098	DEF AT local marker planktic foram increase	DEF AT 5
16350 /15177	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16469 /15259	DEF AT local marker foram decrease	DEF IN 4
16470 /15260	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 4
16530 /15302	DEF AT pyrite	DEF IN 4
17040 /15663	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 11800
Lease Number: G34971	Source of Paleo: OPERATOR	Borehole MD: 15307
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15298
API Well Number: 608114021404	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11800 - 15260	Water Depth: 1965
Public Info Code: Y 05-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11800 /11792	DEF AT first sample examined	DEF AT
13310 /13302	DEF AT - - - - -	POS AT 4
13460 /13452	DEF AT - - - - -	DEF AT 6
13520 /13512	DEF AT transported shelf fauna	POS AT 6
13580 /13572	DEF AT transported shelf fauna	POS AT 6
13880 /13871	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13910 /13901	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
14360 /14351	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14450 /14441	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14749 /14740	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14750 /14741	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
15050 /15041	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
15260 /15251	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 10-FEB-1999	First Sample Examined: 5100
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 14085
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13921
API Well Number: 608114023100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5100 - 14060	Water Depth: 2025
Public Info Code: Y 17-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5100 / 5100	DEF AT first sample examined	DEF AT 3
5101 / 5101	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 3
5250 / 5250	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5370 / 5370	DEF AT -----	DEF AT 4
6870 / 6870	DEF AT -----	DEF AT 5
7170 / 7170	DEF AT -----	DEF AT 4
8130 / 8130	DEF AT -----	DEF AT 5
8370 / 8370	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 6
8400 / 8400	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
8490 / 8490	DEF AT -----	DEF AT 5
10440 /10440	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
11750 /11750	DEF AT transported shelf fauna	POS AT 5
12630 /12616	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 5
12650 /12635	DEF AT -----	DEF AT 4
13250 /13197	DEF AT transported inner shelf facies	POS AT 4
13550 /13471	DEF AT -----	DEF AT 6
13670 /13577	DEF AT -----	DEF AT 4
14030 /13878	DEF AT -----	DEF AT 5
14060 /13902	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 10-FEB-1999	First Sample Examined: 12390
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 17810
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17089
API Well Number: 608114023101	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 12390 - 17800	Water Depth: 2025
Public Info Code: Y 20-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
12390 /12385	DEF AT first sample examined	DEF AT 4
12870 /12845	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
12990 /12957	DEF AT -----	DEF IN 4
13950 /13804	DEF AT -----	DEF AT 5
15020 /14720	DEF AT -----	DEF IN 4
15320 /14977	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15920 /15493	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
16865 /16308	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
16909 /16345	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
16910 /16346	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
17470 /16809	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17530 /16858	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
17560 /16883	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
17800 /17080	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 15-APR-2004	First Sample Examined: 12070
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 16100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15219
API Well Number: 608114023102	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 12070 - 16100	Water Depth: 2002
Public Info Code: Y 12-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12070 /12069	DEF AT first sample examined	POS AT 4
12071 /12070	DEF IN Lower Pleistocene	DEF AT 4
12610 /12607	POS AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 4
12700 /12696	DEF AT reworked material	DEF AT 4
12790 /12785	DEF AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF IN 4
12880 /12873	DEF AT local marker foram decrease	DEF IN 4
13150 /13133	DEF IN Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF IN 4
13600 /13533	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia praehirsuta</i>	DEF AT 5
13690 /13606	DEF AT - - - - -	DEF IN 4
13780 /13677	DEF AT Arenaceous fauna (local marker)	DEF IN 4
14050 /13872	DEF AT local marker planktic foram increase	DEF AT 5
14080 /13893	DEF AT local marker foram decrease	DEF AT 5
14110 /13914	DEF AT - - - - -	DEF IN 4
14410 /14114	DEF AT local white Arenaceous fauna	DEF IN 4
14679 /14289	DEF AT pyrite	DEF IN 4
14680 /14290	DEF AT local marker foram decrease	DEF IN 4
14980 /14485	DEF AT Upper Pliocene (Gelasian) <i>Cristellaria "S"</i>	DEF AT 5
15010 /14505	DEF AT local marker foram decrease	DEF AT 5
15040 /14524	DEF AT - - - - -	DEF IN 4
15190 /14622	DEF AT local marker foram decrease	DEF IN 4
15250 /14661	DEF AT - - - - -	DEF AT 5
15339 /14719	DEF AT foram flood	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 15-APR-2004	First Sample Examined: 12070
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 16100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15219
API Well Number: 608114023102	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 12070 - 16100	Water Depth: 2002
Public Info Code: Y 12-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15340 /14720	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
15370 /14740	DEF AT pyrite	DEF IN 5
15400 /14759	DEF AT - - - - -	DEF IN 5
15460 /14799	DEF AT local marker foram decrease	DEF AT 5
15520 /14838	DEF AT local marker foram decrease	DEF AT 5
15610 /14897	POS AT local marker foram increase	DEF AT 5
15730 /14975	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15760 /14994	DEF AT local marker foram decrease	DEF AT 5
15790 /15014	DEF AT local marker foram increase	DEF AT 5
15850 /15053	DEF AT local marker foram decrease	DEF AT 5
15860 /15060	DEF AT drilling material	DEF AT 5
15880 /15073	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
15910 /15093	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15939 /15112	DEF AT foram flood	DEF AT 5
15940 /15113	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15968 /15131	DEF AT foram flood	DEF AT 5
15969 /15132	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
15970 /15133	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15999 /15152	DEF AT pyrite	DEF AT 5
16000 /15152	DEF AT local marker foram decrease	DEF AT 5
16100 /15219	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 27-SEP-1999	First Sample Examined: 14176
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 17185
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17093
API Well Number: 608114024100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14176 - 17185	Water Depth: 2025
Public Info Code: Y 04-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14176 /14121	DEF AT first sample examined	POS AT 5
14177 /14122	DEF IN transported shelf fauna	POS AT 5
14200 /14144	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 5
14680 /14611	DEF AT - - - - -	DEF AT 5
14950 /14875	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15310 /15229	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
15430 /15347	DEF AT - - - - -	DEF AT 4
15670 /15584	DEF AT - - - - -	DEF AT 5
15910 /15821	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15911 /15822	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16090 /16000	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
16390 /16299	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 4
16660 /16569	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
16870 /16778	DEF AT - - - - -	DEF AT 5
16930 /16838	DEF AT gray shale	DEF AT 5
17050 /16958	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
17185 /17093	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 14-OCT-1999	First Sample Examined: 14000
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 19205
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17841
API Well Number: 608114024700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 14000 - 19205	Water Depth: 1985
Public Info Code: Y 26-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14000 /13502	DEF AT first sample examined	POS IN 4
14001 /13503	DEF IN transported inner shelf facies	POS IN 4
14180 /13651	DEF AT -----	DEF IN 4
14270 /13725	DEF AT transported shelf fauna	POS IN 4
14630 /14021	DEF AT -----	DEF IN 4
15160 /14460	DEF AT -----	DEF AT 3
15700 /14918	DEF AT -----	DEF IN 4
16060 /15225	DEF AT salt	POS IN 4
16150 /15300	DEF AT -----	DEF AT 3
16200 /15341	DEF AT base of salt	POS AT 3
16690 /15748	DEF AT -----	DEF AT 4
16960 /15972	DEF AT transported outer shelf facies	POS AT 4
17050 /16047	DEF AT -----	DEF AT 6
17140 /16122	DEF AT transported shelf fauna	POS AT 6
17560 /16462	DEF AT -----	DEF AT 4
17650 /16533	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
17740 /16605	DEF AT transported outer shelf facies	POS AT 6
18220 /16999	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
18400 /17151	DEF AT transported outer shelf facies	POS AT 4
18670 /17377	DEF AT -----	DEF AT 4
18850 /17531	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
19030 /17687	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 14-OCT-1999	First Sample Examined: 14000
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 19205
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17841
API Well Number: 608114024700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 14000 - 19205	Water Depth: 1985
Public Info Code: Y 26-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19090 /17740	DEF AT -----	DEF AT 6
19205 /17841	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 14-OCT-1999	First Sample Examined: 15190
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 19104
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17885
API Well Number: 608114024701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 15190 - 19104	Water Depth: 1985
Public Info Code: Y 15-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15190 /14484	DEF AT first sample examined	POS AT 5
17500 /16459	DEF AT transported shelf fauna	POS AT 5
17680 /16611	DEF AT transported shelf fauna	POS AT 5
17800 /16712	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17830 /16737	DEF AT -----	DEF AT 6
17920 /16812	DEF AT transported outer shelf facies	POS AT 6
18190 /17045	DEF AT -----	DEF AT 5
18250 /17097	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
18280 /17124	DEF AT transported outer shelf facies	POS AT 5
18460 /17286	DEF AT -----	DEF IN 4
18730 /17536	DEF AT -----	DEF AT 3
18820 /17619	DEF AT -----	DEF IN 4
18910 /17703	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
19090 /17872	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 4
19104 /17885	DEF AT last sample examined	DEF IN 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 10-FEB-2000	First Sample Examined: 16120
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 18665
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17677
API Well Number: 608114024702	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 16120 - 18665	Water Depth: 2025
Public Info Code: Y 09-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16120 /15291	DEF AT first sample examined	DEF IN 3
16900 /15993	DEF AT -----	DEF AT 4
17080 /16159	DEF AT -----	DEF AT 5
17590 /16632	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17800 /16828	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
18400 /17416	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
18580 /17593	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18665 /17677	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 237	<b>Date of Summary:</b> 15-MAY-2003	<b>First Sample Examined:</b> 14580
<b>Lease Number:</b> G15563	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17012
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16067
<b>API Well Number:</b> 608114024703	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14580 - 17011	<b>Water Depth:</b> 1982
<b>Public Info Code:</b> Y 10-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14580 /13980	DEF AT first sample examined	DEF IN 4
14581 /13981	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF IN 4
14610 /14005	DEF AT -----	DEF AT 5
14790 /14155	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
14940 /14279	DEF AT -----	DEF IN 4
15150 /14451	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
15210 /14501	DEF AT -----	DEF IN 4
15240 /14526	DEF AT -----	DEF AT 5
15270 /14551	DEF AT -----	DEF AT 5
15630 /14834	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 4
15660 /14857	DEF AT Bathysiphon fauna	DEF IN 4
15780 /14951	DEF AT reworked material	DEF IN 4
15960 /15102	POS AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 4
16280 /15384	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
16500 /15586	DEF AT local marker foram decrease	DEF IN 4
16740 /15810	DEF AT foram flood	DEF AT 5
16830 /15895	DEF AT local marker foram decrease	DEF AT 5
16860 /15923	DEF AT -----	DEF IN 4
17011 /16066	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 237	Date of Summary: 16-MAY-2003	First Sample Examined: 15000
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 17012
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16067
API Well Number: 608114024703	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 15000 - 17011	Water Depth: 1982
Public Info Code: Y 10-MAY-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14328	DEF AT first sample examined	DEF AT
15001 /14329	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15840 /15001	DEF AT reworked material	DEF AT
15900 /15051	DEF AT reworked material	DEF AT
15960 /15102	POS AT out-of-place section	DEF AT
16020 /15154	DEF AT out-of-place section	DEF AT
16080 /15206	POS AT out-of-place section	DEF AT
16320 /15421	DEF AT local marker floral decrease	DEF AT
16740 /15810	DEF AT local marker floral increase	DEF AT
16920 /15980	DEF AT local marker floral decrease	DEF AT
17011 /16066	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 237	<b>Date of Summary:</b> 15-MAY-2003	<b>First Sample Examined:</b> 17012
<b>Lease Number:</b> G15563	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18329
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17315
<b>API Well Number:</b> 608114024704	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17012 - 18270	<b>Water Depth:</b> 1982
<b>Public Info Code:</b> Y 02-JUN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17012 /16166	DEF AT first sample examined	DEF IN 4
17280 /16408	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17310 /16435	DEF AT foram flood	DEF AT 5
17400 /16517	DEF AT local marker foram decrease	DEF AT 5
17430 /16544	DEF AT pyrite	DEF AT 5
17490 /16597	DEF AT -----	DEF IN 4
17609 /16702	DEF AT foram flood	DEF AT 6
17610 /16703	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
17700 /16781	DEF AT -----	DEF AT 5
17730 /16806	DEF AT local marker foram decrease	DEF AT 5
17760 /16832	DEF AT -----	DEF IN 4
17790 /16857	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 4
17940 /16984	DEF AT -----	DEF AT 5
17970 /17010	DEF AT foram flood	DEF AT 5
18030 /17061	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF IN 4
18120 /17137	DEF AT local marker foram decrease	DEF IN 4
18270 /17265	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 237	<b>Date of Summary:</b> 16-MAY-2003	<b>First Sample Examined:</b> 17012
<b>Lease Number:</b> G15563	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18329
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17315
<b>API Well Number:</b> 608114024704	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17012 - 18327	<b>Water Depth:</b> 1982
<b>Public Info Code:</b> Y 02-JUN-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17012 /16166	DEF AT first sample examined	DEF AT
17160 /16300	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17340 /16462	DEF AT floral flood	DEF AT
17700 /16781	DEF AT local marker floral increase	DEF AT
17760 /16832	DEF AT local marker floral decrease	DEF AT
18327 /17313	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 242	Date of Summary: 23-FEB-2005	First Sample Examined: 6000
Lease Number: G21788	Source of Paleo: OPERATOR	Borehole MD: 24395
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23877
API Well Number: 608114043100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 6000 - 24393	Water Depth: 2845
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Crested Butte Prospect, consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	POS AT 5
6240 / 6240	DEF AT -----	DEF AT 5
6330 / 6330	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT 5
6660 / 6659	DEF AT -----	DEF AT 4
6810 / 6809	DEF AT -----	DEF AT 5
6840 / 6839	DEF AT local marker foram increase	DEF AT 5
7080 / 7079	DEF AT -----	DEF AT 4
7200 / 7199	DEF AT local marker foram increase	DEF AT 5
7410 / 7409	DEF AT local marker foram increase	DEF AT 5
7620 / 7619	DEF AT -----	DEF AT 4
7950 / 7949	DEF AT local marker foram increase	DEF AT 4
8730 / 8729	DEF AT local marker foram increase	DEF AT 5
8910 / 8909	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
9360 / 9359	DEF AT local marker foram increase	DEF AT 5
9540 / 9539	DEF AT -----	DEF AT 4
10080 /10079	DEF AT out-of-place section	DEF AT 4
10920 /10919	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
11100 /11099	DEF AT -----	DEF AT 4
12270 /12269	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
12390 /12389	DEF AT -----	DEF AT 4
12540 /12539	DEF AT -----	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 242	Date of Summary: 23-FEB-2005	First Sample Examined: 6000
Lease Number: G21788	Source of Paleo: OPERATOR	Borehole MD: 24395
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23877
API Well Number: 608114043100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 6000 - 24393	Water Depth: 2845
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12689 /12688	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT 5
12690 /12689	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12890 /12889	DEF AT -----	DEF AT 4
13220 /13219	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
13640 /13639	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
14000 /13999	DEF AT local marker foram increase	DEF AT 5
14060 /14059	DEF AT -----	DEF AT 5
14180 /14179	DEF AT -----	DEF AT 4
14659 /14658	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
14660 /14659	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14870 /14869	DEF AT local marker planktic foram increase	DEF AT 5
14930 /14929	DEF AT -----	DEF AT 4
15170 /15169	DEF AT -----	DEF AT 5
15290 /15289	DEF AT -----	DEF AT 4
15380 /15379	DEF AT -----	DEF AT 5
15409 /15408	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15410 /15409	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15470 /15469	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15500 /15499	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15620 /15619	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
15740 /15739	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15950 /15949	DEF AT -----	DEF AT 4
16160 /16159	DEF AT -----	DEF AT 5
16190 /16189	DEF AT -----	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 242	Date of Summary: 23-FEB-2005	First Sample Examined: 6000
Lease Number: G21788	Source of Paleo: OPERATOR	Borehole MD: 24395
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23877
API Well Number: 608114043100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 6000 - 24393	Water Depth: 2845
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16370 /16369	DEF AT - - - - -	DEF AT 5
16400 /16399	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16489 /16488	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 5
16490 /16489	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16550 /16549	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
16660 /16659	DEF AT - - - - -	DEF AT 4
16990 /16988	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
17050 /17048	DEF AT local marker foram increase	DEF AT 5
17260 /17256	DEF AT local marker foram increase	DEF AT 5
17380 /17374	DEF AT local marker foram increase	DEF AT 5
17410 /17404	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
17979 /17943	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
17980 /17944	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
18220 /18162	DEF AT - - - - -	DEF AT 4
18640 /18547	DEF AT - - - - -	DEF AT 5
18700 /18602	DEF AT local marker foram increase	DEF AT 5
18880 /18768	DEF AT - - - - -	DEF AT 4
19060 /18933	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
19120 /18988	DEF AT - - - - -	DEF AT 4
19420 /19264	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
20140 /19924	DEF AT local marker foram increase	DEF AT 5
20410 /20171	DEF AT local marker foram increase	DEF AT 5
20590 /20336	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
20710 /20446	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 242	Date of Summary: 23-FEB-2005	First Sample Examined: 6000
Lease Number: G21788	Source of Paleo: OPERATOR	Borehole MD: 24395
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23877
API Well Number: 608114043100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 6000 - 24393	Water Depth: 2845
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20800 /20530	DEF AT - - - - -	DEF AT 4
21010 /20724	DEF AT local marker foram increase	DEF AT 4
21040 /20752	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
21190 /20889	DEF AT - - - - -	DEF AT 5
21370 /21054	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21490 /21163	DEF AT local marker foram increase	DEF AT 5
21519 /21190	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
21520 /21191	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
21670 /21329	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
21850 /21493	DEF AT local marker foram increase	DEF AT 5
22000 /21631	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
22090 /21713	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
22480 /22070	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
22690 /22262	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
23169 /22699	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT 5
23170 /22700	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
23230 /22754	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
23289 /22808	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23290 /22809	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
23380 /22893	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 5
23620 /23120	DEF AT local marker foram increase	DEF AT 5
23859 /23352	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
23860 /23353	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
24009 /23499	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 242	<b>Date of Summary:</b> 23-FEB-2005	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G21788	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24395
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23877
<b>API Well Number:</b> 608114043100	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6000 - 24393	<b>Water Depth:</b> 2845
<b>Public Info Code:</b> Y 19-OCT-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24010 /23500	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
24160 /23647	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
24190 /23677	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 5
24250 /23736	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
24393 /23875	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 07-SEP-2006	First Sample Examined: 9990
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 21783
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 20662
API Well Number: 608114045700	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9990 - 21783	Water Depth: 2980
Public Info Code: Y 17-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9990	DEF AT first sample examined	POS AT 5
10080 /10080	DEF AT -----	DEF AT 5
10110 /10110	DEF AT -----	DEF AT 4
10680 /10680	DEF AT -----	DEF AT 4
11010 /11010	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
11190 /11190	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
11340 /11340	DEF AT -----	DEF AT 4
12180 /12180	DEF AT local marker floral increase	DEF AT 5
12220 /12220	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12420 /12419	DEF AT -----	DEF AT 4
12540 /12539	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12630 /12629	DEF AT local marker foram increase	DEF AT 5
12660 /12659	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT 5
13080 /13079	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
13200 /13199	DEF AT -----	DEF AT 4
13470 /13469	DEF AT -----	DEF AT 5
13620 /13619	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
14190 /14189	POS AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
14550 /14549	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14610 /14609	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
14640 /14639	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 07-SEP-2006	First Sample Examined: 9990
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 21783
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 20662
API Well Number: 608114045700	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9990 - 21783	Water Depth: 2980
Public Info Code: Y 17-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14670 /14669	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14700 /14699	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14910 /14909	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
15030 /15029	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15060 /15059	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15300 /15299	DEF AT -----	DEF AT 4
15450 /15449	DEF AT -----	DEF AT 5
15600 /15599	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15690 /15689	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
16140 /16139	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
16170 /16169	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
16275 /16274	DEF AT cement	DEF AT 5
16320 /16319	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
16800 /16799	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
17280 /17279	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
17340 /17339	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
17430 /17429	DEF AT local marker planktic foram increase	DEF AT 5
18120 /18119	DEF AT local marker planktic foram increase	DEF AT 5
18240 /18238	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
18509 /18502	DEF AT local marker floral increase	DEF AT 5
18510 /18503	DEF AT local marker planktic foram increase	DEF AT 5
18750 /18732	DEF AT -----	DEF AT 4
18930 /18897	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
18960 /18924	DEF AT -----	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 07-SEP-2006	First Sample Examined: 9990
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 21783
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 20662
API Well Number: 608114045700	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9990 - 21783	Water Depth: 2980
Public Info Code: Y 17-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19290 /19205	DEF AT local marker planktic foram increase	DEF AT 5
19410 /19299	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
19530 /19389	DEF AT foram flood	DEF AT 5
19560 /19411	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
19950 /19662	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
20460 /19919	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 5
20730 /20035	DEF AT - - - - -	DEF AT 4
20880 /20105	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
20910 /20120	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
21090 /20216	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
21480 /20454	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
21783 /20662	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 03-APR-2001	First Sample Examined: 12250
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 18727
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 18718
API Well Number: 608114027600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 12250 - 18727	Water Depth: 3065
Public Info Code: Y 26-FEB-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12250 /12243	DEF AT first sample examined	POS AT 5
12490 /12483	DEF AT - - - - -	DEF AT 5
12550 /12543	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
12880 /12873	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
14260 /14253	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
14410 /14403	DEF AT - - - - -	DEF AT 4
15190 /15183	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
15191 /15184	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
15250 /15243	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF IN 5
15310 /15303	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
15339 /15332	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
15340 /15333	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15430 /15423	DEF AT - - - - -	DEF AT 5
15640 /15633	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15820 /15813	DEF AT - - - - -	DEF IN 5
15850 /15843	DEF AT - - - - -	DEF AT 5
16030 /16022	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16330 /16322	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
16480 /16472	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 5
16540 /16532	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
16600 /16592	DEF AT - - - - -	DEF AT 5
16960 /16952	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 03-APR-2001	First Sample Examined: 12250
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 18727
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 18718
API Well Number: 608114027600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 12250 - 18727	Water Depth: 3065
Public Info Code: Y 26-FEB-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17020 /17012	DEF AT -----	DEF IN 5
17380 /17371	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
17530 /17521	DEF AT -----	DEF AT 5
17950 /17941	DEF AT -----	DEF IN 5
18070 /18061	DEF AT -----	DEF AT 4
18190 /18181	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
18280 /18271	DEF AT -----	DEF AT 5
18370 /18361	DEF AT -----	DEF IN 5
18510 /18501	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 5
18550 /18541	DEF AT -----	DEF AT 5
18579 /18570	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
18580 /18571	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
18640 /18631	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
18680 /18671	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
18700 /18691	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18727 /18718	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 03-APR-2001	First Sample Examined: 12250
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 18727
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18718
API Well Number: 608114027600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 12250 - 18727	Water Depth: 3065
Public Info Code: Y 26-FEB-2011	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12250 /12243	DEF AT first sample examined	POS AT 5
12490 /12483	DEF AT - - - - -	DEF AT 5
12550 /12543	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
12880 /12873	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
14260 /14253	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
14410 /14403	DEF AT - - - - -	DEF AT 4
15189 /15182	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
15190 /15183	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
15250 /15243	DEF AT local marker floral increase	DEF AT 6
15310 /15303	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
15339 /15332	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
15340 /15333	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
15430 /15423	DEF AT - - - - -	DEF AT 5
15640 /15633	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15820 /15813	DEF AT - - - - -	DEF AT 6
15850 /15843	DEF AT - - - - -	DEF AT 5
16030 /16022	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16330 /16322	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
16480 /16472	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 6
16540 /16532	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
16600 /16592	DEF AT - - - - -	DEF AT 5
16960 /16952	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 243	<b>Date of Summary:</b> 03-APR-2001	<b>First Sample Examined:</b> 12250
<b>Lease Number:</b> G20051	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18727
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18718
<b>API Well Number:</b> 608114027600	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12250 - 18727	<b>Water Depth:</b> 3065
<b>Public Info Code:</b> Y 26-FEB-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17020 /17012	DEF AT -----	DEF IN 6
17080 /17072	DEF AT -----	DEF AT 6
17380 /17371	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
17530 /17521	DEF AT -----	DEF AT 5
17950 /17941	DEF AT -----	DEF AT 6
18070 /18061	DEF AT -----	DEF AT 4
18190 /18181	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
18280 /18271	DEF AT -----	DEF AT 5
18370 /18361	DEF AT -----	DEF AT 6
18550 /18541	DEF AT -----	DEF AT 5
18578 /18569	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
18579 /18570	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
18580 /18571	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
18610 /18601	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
18640 /18631	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
18700 /18691	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18727 /18718	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 03-APR-2001	First Sample Examined: 15200
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 22726
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 21011
API Well Number: 608114027601	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 15200 - 22726	Water Depth: 3065
Public Info Code: Y 01-APR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15200 /15193	DEF AT first sample examined	DEF AT
15230 /15223	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15290 /15283	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15500 /15492	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16550 /16427	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16610 /16473	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17000 /16770	DEF AT -----	DEF AT 5
17090 /16839	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
17210 /16930	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
17300 /16999	DEF AT -----	DEF AT 5
17810 /17387	DEF AT -----	DEF IN 5
18820 /18151	DEF AT -----	DEF AT 5
19340 /18545	DEF AT -----	DEF AT 4
19880 /18951	DEF AT -----	DEF IN 5
20130 /19138	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF IN 5
20180 /19176	DEF AT -----	DEF AT 5
20360 /19310	DEF AT -----	DEF IN 5
20380 /19325	DEF AT -----	DEF AT 5
20680 /19547	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
20840 /19663	DEF AT -----	DEF IN 5
20930 /19727	DEF AT -----	DEF AT 5
21000 /19777	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 243	<b>Date of Summary:</b> 03-APR-2001	<b>First Sample Examined:</b> 15200
<b>Lease Number:</b> G20051	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22726
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21011
<b>API Well Number:</b> 608114027601	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15200 - 22726	<b>Water Depth:</b> 3065
<b>Public Info Code:</b> Y 01-APR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21080 /19834	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
21170 /19897	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
21390 /20053	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
21450 /20096	DEF AT -----	DEF IN 5
21550 /20167	DEF AT -----	DEF AT 5
22060 /20527	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 5
22190 /20618	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
22726 /21010	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 243	<b>Date of Summary:</b> 03-APR-2001	<b>First Sample Examined:</b> 15200
<b>Lease Number:</b> G20051	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22726
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 21011
<b>API Well Number:</b> 608114027601	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15200 - 22726	<b>Water Depth:</b> 3065
<b>Public Info Code:</b> Y 01-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15200 /15193	DEF AT first sample examined	DEF AT
15230 /15223	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15290 /15283	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15500 /15492	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16550 /16427	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16610 /16473	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17000 /16770	DEF AT -----	DEF AT 5
17090 /16839	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
17210 /16930	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
17300 /16999	DEF AT -----	DEF AT 5
18820 /18151	DEF AT -----	DEF AT 5
19340 /18545	DEF AT -----	DEF AT 4
19880 /18951	DEF AT -----	DEF IN 6
20090 /19108	DEF AT -----	DEF AT 6
20130 /19138	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 6
20180 /19176	DEF AT -----	DEF AT 5
20340 /19295	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
20360 /19310	DEF AT -----	DEF AT 6
20380 /19325	DEF AT -----	DEF AT 5
20680 /19547	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
20840 /19663	DEF AT -----	DEF IN 6
20930 /19727	DEF AT -----	DEF AT 5

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 243	<b>Date of Summary:</b> 03-APR-2001	<b>First Sample Examined:</b> 15200
<b>Lease Number:</b> G20051	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22726
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 21011
<b>API Well Number:</b> 608114027601	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15200 - 22726	<b>Water Depth:</b> 3065
<b>Public Info Code:</b> Y 01-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21000 /19777	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
21080 /19834	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
21170 /19897	DEF AT local marker floral increase	DEF AT 5
21390 /20053	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
21450 /20096	DEF AT -----	DEF AT 6
21550 /20167	DEF AT -----	DEF AT 5
22060 /20527	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 5
22690 /20983	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
22726 /21010	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 11-NOV-2002	First Sample Examined: 16512
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 24815
Well Name: SS002	Paleo Done By: OPERATOR	Borehole TVD: 21250
API Well Number: 608114034000	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 16512 - 24815	Water Depth: 3048
Public Info Code: Y 11-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16512 /16429	DEF AT first sample examined	DEF AT 5
17070 /16891	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
17760 /17374	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
17790 /17392	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
18660 /17921	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
19320 /18325	DEF AT Arenaceous fauna (local marker)	DEF AT 5
19470 /18417	DEF AT -----	DEF AT 4
19710 /18563	DEF AT -----	DEF AT 3
19890 /18671	DEF AT Cyclammina sp. (local marker)	DEF AT 4
20190 /18854	DEF AT Cyclammina sp. (local marker)	DEF AT 4
20250 /18890	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
20340 /18945	DEF AT local marker planktic foram increase	DEF AT 4
20370 /18963	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
21390 /19575	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
21510 /19646	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
21540 /19664	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
21690 /19753	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 4
21750 /19789	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
22020 /19947	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
22680 /20271	DEF AT -----	DEF AT 5
22710 /20285	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
23190 /20501	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 243	<b>Date of Summary:</b> 11-NOV-2002	<b>First Sample Examined:</b> 16512
<b>Lease Number:</b> G20051	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24815
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21250
<b>API Well Number:</b> 608114034000	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16512 - 24815	<b>Water Depth:</b> 3048
<b>Public Info Code:</b> Y 11-NOV-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23370 /20580	DEF AT - - - - -	DEF AT 5
23520 /20646	DEF AT local marker foram increase	DEF AT 4
23760 /20754	DEF AT local marker foram increase	DEF AT 4
23790 /20768	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 4
23850 /20795	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
24000 /20864	DEF AT - - - - -	DEF AT 4
24150 /20934	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
24300 /21004	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
24510 /21103	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 02-JUN-2004	First Sample Examined: 16380
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 20070
Well Name: SS004	Paleo Done By: OPERATOR	Borehole TVD: 19568
API Well Number: 608114041600	Drilling Operator: NEXEN	Rkb Elevation: 60
Paleo Report Num: 1 of 1	Sample Range: 16380 - 20070	Water Depth: 3050
Public Info Code: Y 19-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Morin Biostratigraphic Services and Ragan Biostrat, foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16380 /16378	DEF AT first sample examined	DEF AT 5
16410 /16408	DEF AT local marker foram increase	DEF AT 5
16440 /16438	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
16920 /16918	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
17280 /17276	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
17370 /17364	DEF AT local marker foram increase	DEF AT 5
17700 /17686	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
17940 /17914	DEF AT local marker foram increase	DEF AT 5
18270 /18217	DEF AT - - - - -	DEF AT 4
18540 /18455	DEF AT - - - - -	DEF AT 5
18690 /18582	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
18810 /18681	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
19140 /18937	DEF AT local marker foram increase	DEF AT 5
19410 /19129	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
19620 /19269	DEF AT local marker foram increase	DEF AT 5
19920 /19467	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
20040 /19548	DEF AT - - - - -	DEF AT 4
20070 /19568	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 243	Date of Summary: 07-SEP-2006	First Sample Examined: 19200
Lease Number: G20051	Source of Paleo: OPERATOR	Borehole MD: 22056
Well Name: SS005	Paleo Done By: OPERATOR	Borehole TVD: 20692
API Well Number: 608114045701	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 19200 - 22056	Water Depth: 2980
Public Info Code: Y 28-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19200 /19132	DEF AT first sample examined	DEF AT 4
19260 /19183	DEF AT local marker benthic foram increase	DEF AT 5
19380 /19284	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
19470 /19358	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
19500 /19383	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
19640 /19495	DEF AT -----	DEF AT 4
19770 /19594	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
19880 /19674	DEF AT -----	DEF AT 4
20000 /19757	DEF AT -----	DEF AT 5
20040 /19783	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 5
20280 /19932	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
20310 /19950	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
20370 /19983	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
20730 /20154	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
20990 /20260	DEF AT -----	DEF AT 4
21360 /20411	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
22056 /20692	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 246	Date of Summary: 29-JAN-2007	First Sample Examined: 4966
Lease Number: G16716	Source of Paleo: OPERATOR	Borehole MD: 16130
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15264
API Well Number: 608114048500	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4966 - 16130	Water Depth: 3271
Public Info Code: Y 24-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4966 / 4966	DEF AT first sample examined	DEF IN 4
7140 / 7140	DEF AT -----	DEF AT 5
7320 / 7320	DEF AT -----	DEF IN 5
7770 / 7770	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
8010 / 8010	DEF AT -----	DEF AT 4
11530 /11279	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 4
12430 /12044	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
13239 /12739	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
13240 /12740	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13330 /12817	DEF AT -----	DEF AT 3
14270 /13630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
14390 /13735	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 3
14450 /13787	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 3
14659 /13971	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
14660 /13972	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14720 /14024	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
14750 /14050	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
14840 /14129	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
15050 /14312	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
15199 /14442	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
15200 /14443	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
15290 /14522	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 246	Date of Summary: 29-JAN-2007	First Sample Examined: 4966
Lease Number: G16716	Source of Paleo: OPERATOR	Borehole MD: 16130
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15264
API Well Number: 608114048500	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4966 - 16130	Water Depth: 3271
Public Info Code: Y 24-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15489 /14697	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 4
15490 /14698	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
15500 /14707	DEF AT - - - - -	DEF AT 5
15530 /14734	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
15830 /14999	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
15860 /15025	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
15890 /15052	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
15919 /15078	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
15920 /15078	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
15949 /15104	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
15950 /15105	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
16010 /15158	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
16039 /15183	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
16040 /15184	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
16100 /15237	DEF AT salt	DEF AT 6
16130 /15264	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 248	<b>Date of Summary:</b> 20-OCT-1996	<b>First Sample Examined:</b> 9000
<b>Lease Number:</b> G15565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16500
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16494
<b>API Well Number:</b> 608115009700	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 9000 - 16000	<b>Water Depth:</b> 3328
<b>Public Info Code:</b> Y 11-JAN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Glider Prospect, original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT 4
9120 / 9118	DEF AT -----	DEF IN 3
9180 / 9178	DEF AT -----	DEF AT 4
9240 / 9238	DEF AT -----	DEF IN 3
9330 / 9328	DEF AT -----	DEF AT 4
9360 / 9358	DEF AT -----	DEF IN 3
9420 / 9418	DEF AT -----	DEF AT 4
9480 / 9478	DEF AT -----	DEF IN 3
9510 / 9508	DEF AT -----	DEF AT 4
9540 / 9538	DEF AT -----	DEF IN 3
9570 / 9568	DEF AT -----	DEF AT 4
9600 / 9598	DEF AT -----	DEF IN 3
9630 / 9628	DEF AT -----	DEF AT 4
9690 / 9688	DEF AT -----	DEF IN 3
10830 /10828	DEF AT -----	DEF AT 4
11040 /11038	DEF AT -----	DEF AT 5
11070 /11068	DEF AT -----	DEF AT 4
11220 /11218	DEF AT -----	DEF IN 3
11250 /11248	DEF AT -----	DEF AT 4
11340 /11338	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
11490 /11488	DEF AT -----	DEF IN 3
11520 /11518	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248  
Lease Number: G15565  
Well Name: 002  
API Well Number: 608115009700  
Paleo Report Num: 1 of 3  
Public Info Code: Y 11-JAN-2007

Date of Summary: 20-OCT-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 9000 - 16000  
Ecozone Eq MMS: Y

First Sample Examined: 9000  
Borehole MD: 16500  
Borehole TVD: 16494  
Rkb Elevation: 84  
Water Depth: 3328  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11640 /11638	DEF AT -----	DEF IN 3
11910 /11908	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "A")	DEF AT 4
11940 /11938	DEF AT -----	DEF AT 5
11970 /11968	DEF AT -----	DEF IN 3
12000 /11998	DEF AT -----	DEF AT 4
12180 /12178	DEF AT -----	DEF IN 3
12450 /12447	DEF AT -----	DEF AT 4
12600 /12597	DEF AT -----	DEF IN 3
13440 /13437	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF AT 5
13470 /13467	DEF AT -----	DEF IN 4
13560 /13557	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
13710 /13706	DEF AT -----	DEF IN 3
13740 /13736	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF IN 4
13890 /13886	DEF AT -----	DEF IN 3
14100 /14096	DEF AT -----	DEF AT 4
14190 /14186	DEF AT -----	DEF IN 4
14550 /14546	DEF AT -----	DEF AT 4
14850 /14846	DEF AT -----	DEF IN 3
14880 /14876	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14910 /14906	DEF AT -----	DEF AT 4
14940 /14936	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14970 /14966	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15210 /15206	DEF AT -----	DEF AT 4
16000 /15995	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 248	<b>Date of Summary:</b> 12-DEC-1996	<b>First Sample Examined:</b> 15590
<b>Lease Number:</b> G15565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16500
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16494
<b>API Well Number:</b> 608115009700	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 15590 - 16500	<b>Water Depth:</b> 3328
<b>Public Info Code:</b> Y 11-JAN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Glider Prospect, bypass 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15590 /15585	DEF AT first sample examined	DEF AT 4
16280 /16274	DEF AT - - - - -	DEF AT 4
16490 /16484	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
16500 /16494	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 14-AUG-1997	First Sample Examined: 9000
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16494
API Well Number: 608115009700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 3 of 3	Sample Range: 6000 - 16500	Water Depth: 3328
Public Info Code: Y 11-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Glider Prospect, company-integrated foram and nanno report, original hole and bypass 2

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT 4
9540 / 9538	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 3
10890 /10888	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
11400 /11398	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 4
12840 /12837	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
13470 /13467	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
13590 /13587	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
14700 /14696	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 4
14850 /14846	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 3
14880 /14876	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
14910 /14906	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14970 /14966	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14971 /14967	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
15800 /15795	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15830 /15825	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
16309 /16303	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 4
16310 /16304	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
16500 /16494	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 03-JUL-1997	First Sample Examined: 9020
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16466
Well Name: GL003	Paleo Done By: THOMAS REILLY	Borehole TVD: 16204
API Well Number: 608115012000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 1 of 3	Sample Range: 9020 - 16466	Water Depth: 3440
Public Info Code: Y 31-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Glider Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9020 / 9020	DEF AT first sample examined	DEF AT 4
9080 / 9080	DEF AT -----	DEF AT 3
9460 / 9459	DEF AT local marker foram increase	DEF AT 3
9580 / 9578	DEF AT -----	DEF IN 3
9640 / 9638	DEF AT -----	DEF AT 3
9730 / 9728	DEF AT -----	DEF AT 4
9760 / 9757	DEF AT -----	DEF IN 3
9880 / 9876	DEF AT -----	DEF AT 3
9970 / 9966	DEF AT -----	DEF IN 3
10150 /10143	DEF AT -----	DEF AT 3
11290 /11230	DEF AT local marker foram increase	DEF AT 3
11320 /11258	DEF AT -----	DEF AT 4
11380 /11313	DEF AT local marker foram decrease	DEF AT 3
11410 /11341	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
11440 /11369	DEF AT -----	DEF IN 3
11530 /11452	DEF AT -----	DEF AT 3
11680 /11591	DEF AT -----	DEF IN 3
12130 /12008	DEF AT -----	DEF AT 3
12280 /12148	DEF AT -----	DEF AT 4
12430 /12288	DEF AT -----	DEF AT 3
12760 /12599	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
13030 /12855	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 03-JUL-1997	First Sample Examined: 9020
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16466
Well Name: GL003	Paleo Done By: THOMAS REILLY	Borehole TVD: 16204
API Well Number: 608115012000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 1 of 3	Sample Range: 9020 - 16466	Water Depth: 3440
Public Info Code: Y 31-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13710 /13502	DEF AT -----	DEF IN 3
14310 /14075	DEF AT -----	DEF AT 4
14417 /14177	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
14418 /14178	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
14419 /14179	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 3
14430 /14190	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
14790 /14539	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
15330 /15070	DEF AT -----	DEF AT 3
15358 /15098	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 3
15359 /15099	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 3
15360 /15100	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
15390 /15129	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
15420 /15159	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 3
15450 /15189	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
15600 /15339	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
15750 /15488	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 3
16466 /16204	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 248	<b>Date of Summary:</b> 08-AUG-1997	<b>First Sample Examined:</b> 8270
<b>Lease Number:</b> G15565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16466
<b>Well Name:</b> GL003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16204
<b>API Well Number:</b> 608115012000	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 8270 - 16466	<b>Water Depth:</b> 3440
<b>Public Info Code:</b> Y 31-AUG-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Glider Prospect, calcareous nannofossil report, nanno summary determined by Witrock (MMS) from detailed paleo report (no nanno summary report available from operator)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8270 / 8270	DEF AT first sample examined	DEF AT
8271 / 8271	DEF AT reworked material	DEF AT
8660 / 8660	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8810 / 8810	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8900 / 8900	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
11500 /11424	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
12760 /12599	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14370 /14132	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14490 /14248	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15390 /15129	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15420 /15159	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15480 /15219	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16290 /16028	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
16350 /16088	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
16466 /16204	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 13-AUG-1997	First Sample Examined: 9020
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16466
Well Name: GL003	Paleo Done By: OPERATOR	Borehole TVD: 16204
API Well Number: 608115012000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 3 of 3	Sample Range: 9020 - 16466	Water Depth: 3440
Public Info Code: Y 31-AUG-2007	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Glider Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9020 / 9020	DEF AT first sample examined	DEF AT
11500 /11424	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
12759 /12598	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12760 /12599	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
14370 /14132	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14460 /14219	DEF AT reworked material	DEF AT
14490 /14248	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15360 /15100	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15390 /15129	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15419 /15158	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15420 /15159	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
15480 /15219	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15600 /15339	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
15660 /15399	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16290 /16028	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
16350 /16088	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
16466 /16204	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 08-SEP-1997	First Sample Examined: 13320
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 17496
Well Name: GL003	Paleo Done By: THOMAS REILLY	Borehole TVD: 17001
API Well Number: 608115012001	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 13320 - 17490	Water Depth: 3440
Public Info Code: Y 06-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13320 /13132	DEF AT first sample examined	POS IN 3
13470 /13278	DEF AT - - - - -	DEF IN 3
13859 /13658	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
13860 /13659	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
14490 /14276	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
15750 /15387	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
15780 /15413	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
15810 /15438	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
15870 /15488	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15930 /15539	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
15990 /15590	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
17370 /16878	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
17460 /16966	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 14-JUL-2003	First Sample Examined: 13315
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 17496
Well Name: GL003	Paleo Done By: OPERATOR	Borehole TVD: 17001
API Well Number: 608115012001	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 13315 - 17490	Water Depth: 3440
Public Info Code: Y 06-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13315 /13127	DEF AT first sample examined	POS AT 4
13590 /13395	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
14490 /14276	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
15690 /15338	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
15806 /15434	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
15810 /15438	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
15840 /15463	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
15870 /15488	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15930 /15539	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
15990 /15590	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
16020 /15616	DEF AT reworked material	DEF AT 4
16890 /16414	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
17490 /16995	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 01-AUG-2002	First Sample Examined: 12900
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 20093
Well Name: GL003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18474
API Well Number: 608115012002	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 12900 - 20094	Water Depth: 3440
Public Info Code: Y 25-AUG-2012	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /12732	DEF AT first sample examined	DEF AT
13050 /12874	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14550 /14185	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14700 /14298	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18330 /16804	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
18420 /16881	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18840 /17269	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18900 /17328	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18901 /17329	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19170 /17593	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
19320 /17736	POS IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
19470 /17876	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
19650 /18046	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
19890 /18277	POS AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
20094 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 01-SEP-2002	First Sample Examined: 12900
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 20093
Well Name: GL003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18474
API Well Number: 608115012002	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 12900 - 20093	Water Depth: 3440
Public Info Code: Y 25-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /12732	DEF AT first sample examined	POS AT 4
12990 /12817	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
13050 /12874	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
13740 /13519	DEF AT local marker foram increase	DEF AT 4
14520 /14162	DEF AT local marker foram increase	DEF AT 4
14550 /14185	DEF AT -----	DEF AT 5
14551 /14186	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
14580 /14208	DEF AT -----	DEF AT 4
14670 /14276	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
14760 /14342	DEF AT -----	DEF AT 4
15030 /14522	DEF AT -----	DEF AT 5
15060 /14540	DEF AT -----	DEF AT 4
18780 /17211	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
18870 /17299	DEF AT -----	DEF AT 5
18900 /17328	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18930 /17358	DEF AT -----	DEF AT 4
18960 /17387	DEF AT -----	DEF AT 5
18990 /17417	DEF AT -----	DEF AT 4
19080 /17506	DEF AT -----	DEF AT 5
19110 /17535	DEF AT -----	DEF AT 4
19260 /17679	DEF AT local marker foram decrease	DEF AT 4
19290 /17708	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 248	<b>Date of Summary:</b> 01-SEP-2002	<b>First Sample Examined:</b> 12900
<b>Lease Number:</b> G15565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20093
<b>Well Name:</b> GL003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18474
<b>API Well Number:</b> 608115012002	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 12900 - 20093	<b>Water Depth:</b> 3440
<b>Public Info Code:</b> Y 25-AUG-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19320 /17736	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19560 /17960	DEF AT local marker foram increase	DEF AT 4
19920 /18306	DEF AT local marker foram increase	DEF AT 4
20093 /18474	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 14-JUL-2003	First Sample Examined: 12900
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 20093
Well Name: GL003	Paleo Done By: OPERATOR	Borehole TVD: 18474
API Well Number: 608115012002	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 3 of 3	Sample Range: 12900 - 20093	Water Depth: 3440
Public Info Code: Y 25-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /12732	DEF AT first sample examined	POS AT 4
13050 /12874	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
14550 /14185	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
14670 /14276	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
14700 /14298	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
18330 /16804	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
18420 /16881	DEF AT reworked material	POS AT 5
18779 /17210	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
18780 /17211	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
18840 /17269	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
18870 /17299	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18899 /17327	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
18900 /17328	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
19170 /17593	POS AT reworked material	DEF AT 4
19290 /17708	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
19320 /17736	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 4
19470 /17876	DEF AT reworked material	POS AT 4
20093 /18474	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 248	Date of Summary: 01-JUN-2004	First Sample Examined: 12510
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 14360
Well Name: GL004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14005
API Well Number: 608114041400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12510 - 14360	Water Depth: 3243
Public Info Code: Y 18-JUN-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Glider Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12510 /12282	DEF AT first sample examined	DEF AT 4
12511 /12283	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
12540 /12310	DEF AT - - - - -	DEF AT 5
12630 /12394	DEF IN local marker foram decrease	DEF AT 4
13230 /12950	DEF AT local marker foram increase	POS AT 4
13260 /12978	DEF AT foram flood	DEF AT 5
13290 /13006	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
13320 /13033	DEF AT - - - - -	DEF AT 4
13380 /13089	DEF AT local marker planktic foram increase	DEF AT 4
13680 /13366	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13709 /13393	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
13710 /13393	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13770 /13449	DEF AT local marker foram decrease	DEF AT 4
13890 /13562	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
13920 /13590	DEF AT faunal change (no faunal increase)	DEF AT 4
14319 /13967	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14320 /13968	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
14360 /14005	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 248	<b>Date of Summary:</b> 26-JUN-2004	<b>First Sample Examined:</b> 12090
<b>Lease Number:</b> G15565	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14360
<b>Well Name:</b> GL004	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 14005
<b>API Well Number:</b> 608114041400	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12090 - 14360	<b>Water Depth:</b> 3243
<b>Public Info Code:</b> Y 18-JUN-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Glider Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12090 /11890	DEF AT first sample examined	DEF AT
12091 /11891	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12240 /12030	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13560 /13255	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13710 /13393	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14320 /13968	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14360 /14005	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 252	Date of Summary: 15-AUG-2007	First Sample Examined: 5780
Lease Number: G18361	Source of Paleo: OPERATOR	Borehole MD: 15860
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14911
API Well Number: 608114048600	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5780 - 15860	Water Depth: 3156
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5780 / 5780	DEF AT first sample examined	DEF AT 5
7310 / 7310	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7790 / 7790	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
8240 / 8240	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
9080 / 9080	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
10440 /10429	DEF AT local marker benthic foram increase	DEF AT 5
10560 /10543	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
10620 /10599	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
10680 /10655	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
12000 /11761	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
12420 /12104	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
13200 /12739	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
13260 /12788	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
13290 /12813	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13559 /13032	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
13560 /13033	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13830 /13253	DEF AT reworked material	DEF AT 5
14009 /13399	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14010 /13400	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14160 /13522	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14760 /14011	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14790 /14036	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 252	<b>Date of Summary:</b> 15-AUG-2007	<b>First Sample Examined:</b> 5780
<b>Lease Number:</b> G18361	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15860
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14911
<b>API Well Number:</b> 608114048600	<b>Drilling Operator:</b> ENI US OPERATING CO INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5780 - 15860	<b>Water Depth:</b> 3156
<b>Public Info Code:</b> Y 19-AUG-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15570 /14673	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15860 /14911	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 254	Date of Summary: 23-JAN-1992	First Sample Examined: 4875
Lease Number: G07049	Source of Paleo: OPERATOR	Borehole MD: 16225
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15515
API Well Number: 608115008000	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 4875 - 16225	Water Depth: 3226
Public Info Code: Y 15-DEC-2001	Ecozone Eq MMS:	Paleo ID: 002

Remark: Allegheny I Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4875 / 4875	DEF AT first sample examined	DEF AT
4876 / 4876	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
7560 / 7559	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
9540 / 9457	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
10140 / 9982	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
12990 /12511	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13079 /12593	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
13080 /12593	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14370 /13793	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
14691 /14094	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
14692 /14095	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
16225 /15515	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 254	Date of Summary: 23-JAN-1992	First Sample Examined: 4875
Lease Number: G07049	Source of Paleo: OPERATOR	Borehole MD: 16225
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15515
API Well Number: 608115008000	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 4875 - 16225	Water Depth: 3226
Public Info Code: Y 15-DEC-2001	Ecozone Eq MMS:	Paleo ID: 003

Remark: Allegheny I Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4875 / 4875	DEF AT first sample examined	DEF AT
5910 / 5910	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
8220 / 8219	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
10650 /10429	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
11640 /11300	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12360 /11941	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12990 /12511	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13110 /12621	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13620 /13092	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14040 /13484	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14870 /14261	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15870 /15188	DEF AT Lower Pliocene (Zanclian) Ceratolithus armatus	DEF AT
16225 /15515	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 254	Date of Summary: 12-JUL-1994	First Sample Examined: 8515
Lease Number: G07049	Source of Paleo: OPERATOR	Borehole MD: 14982
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14585
API Well Number: 608115008301	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 8514 - 14982	Water Depth: 3225
Public Info Code: Y 22-JUL-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8514 / 8514	DEF AT first sample examined	POS AT 5
8515 / 8515	DEF AT cement	POS AT 5
8560 / 8560	DEF AT - - - - -	DEF AT 5
10360 /10263	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12520 /12292	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12820 /12574	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12939 /12687	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
12940 /12688	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13510 /13221	DEF AT local marker benthic foram increase	DEF AT 5
13600 /13306	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
13780 /13475	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13990 /13672	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
14380 /14034	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14620 /14255	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
14982 /14585	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 254	Date of Summary: 12-JUL-1994	First Sample Examined: 8514
Lease Number: G07049	Source of Paleo: OPERATOR	Borehole MD: 14982
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14585
API Well Number: 608115008301	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 8514 - 14982	Water Depth: 3225
Public Info Code: Y 22-JUL-2004	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8514 / 8514	DEF AT first sample examined	DEF AT
8515 / 8515	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9610 / 9573	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11229 /11084	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11230 /11085	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12250 /12039	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12430 /12207	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12790 /12546	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12819 /12573	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12820 /12574	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12910 /12659	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13420 /13137	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13510 /13221	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14982 /14585	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 254	<b>Date of Summary:</b> 19-FEB-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07049	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15698
<b>Well Name:</b> 005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13726
<b>API Well Number:</b> 608115009000	<b>Drilling Operator:</b> ENSERCH EXPLORATION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 3234
<b>Public Info Code:</b> Y 29-NOV-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12830 /10997	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
13040 /11177	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13970 /12021	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 254	<b>Date of Summary:</b> 06-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07049	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15500
<b>Well Name:</b> 005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13409
<b>API Well Number:</b> 608115009001	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 3225
<b>Public Info Code:</b> Y 04-JUL-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13589 /11665	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14168 /12216	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
15434 /13352	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 254	Date of Summary: 19-DEC-2001	First Sample Examined: 0
Lease Number: G08010	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13435
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 12511
API Well Number: 608115008303	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3225
Public Info Code: Y 22-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12750 /11974	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 282	<b>Date of Summary:</b> 01-OCT-2001	<b>First Sample Examined:</b> 5240
<b>Lease Number:</b> G16727	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7159
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 7153
<b>API Well Number:</b> 608114030800	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5240 - 7159	<b>Water Depth:</b> 2386
<b>Public Info Code:</b> Y 25-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Boris North Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5240 / 5237	DEF AT first sample examined	DEF AT 4
5241 / 5238	DEF IN Holocene Globorotalia inflata	DEF AT 4
5330 / 5327	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5540 / 5536	DEF AT transported shelf fauna	POS AT 4
6200 / 6195	DEF AT -----	DEF IN 3
6380 / 6375	DEF AT transported shelf fauna	POS IN 3
6500 / 6495	DEF AT -----	DEF AT 4
6710 / 6705	DEF AT local marker benthic foram increase	DEF AT 4
7159 / 7154	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 282	Date of Summary: 01-OCT-2001	First Sample Examined: 5240
Lease Number: G16727	Source of Paleo: OPERATOR	Borehole MD: 7159
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 7153
API Well Number: 608114030800	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 5240 - 7159	Water Depth: 2386
Public Info Code: Y 25-SEP-2011	Ecozone Eq MMS:	Paleo ID: 002

Remark: Boris North Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5240 / 5237	DEF AT first sample examined	DEF AT
5270 / 5267	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5420 / 5416	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5900 / 5896	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
6680 / 6675	DEF AT local marker floral increase	DEF AT
7159 / 7154	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 282	Date of Summary: 01-OCT-2001	First Sample Examined: 7155
Lease Number: G16727	Source of Paleo: OPERATOR	Borehole MD: 15405
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14049
API Well Number: 608114030801	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7155 - 15405	Water Depth: 2386
Public Info Code: Y 29-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Boris North Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7155 / 7150	DEF AT first sample examined	DEF AT 4
7156 / 7151	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
7630 / 7624	DEF AT local marker foram decrease	DEF AT 4
7840 / 7831	DEF AT -----	DEF AT 4
8260 / 8234	DEF AT -----	DEF IN 3
8920 / 8824	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8950 / 8849	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9130 / 8998	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9310 / 9145	DEF AT -----	DEF AT 4
10060 / 9742	DEF AT local marker planktic foram increase	DEF AT 4
10240 / 9886	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10920 /10433	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11340 /10763	DEF AT -----	DEF AT 4
11760 /11102	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
11880 /11198	DEF AT local marker foram increase	DEF AT 5
12120 /11391	DEF AT -----	POS AT 4
12240 /11488	DEF AT -----	DEF AT 4
12690 /11851	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
13380 /12405	DEF AT local marker deep water fauna	DEF AT 5
13710 /12671	DEF AT -----	DEF AT 4
13890 /12817	DEF AT -----	POS AT 4
14400 /13231	DEF AT -----	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 282	<b>Date of Summary:</b> 01-OCT-2001	<b>First Sample Examined:</b> 7155
<b>Lease Number:</b> G16727	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15405
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 14049
<b>API Well Number:</b> 608114030801	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7155 - 15405	<b>Water Depth:</b> 2386
<b>Public Info Code:</b> Y 29-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14460 /13279	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 4
14818 /13565	DEF AT condensed section	DEF AT 5
14819 /13566	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14820 /13567	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
15000 /13715	DEF AT -----	DEF AT 4
15060 /13764	DEF AT -----	DEF AT 5
15330 /13987	DEF AT local marker foram increase	DEF AT 6
15405 /14049	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 282	<b>Date of Summary:</b> 01-OCT-2001	<b>First Sample Examined:</b> 7155
<b>Lease Number:</b> G16727	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15405
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 14049
<b>API Well Number:</b> 608114030801	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7155 - 15405	<b>Water Depth:</b> 2386
<b>Public Info Code:</b> Y 29-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Boris North Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7155 / 7150	DEF AT first sample examined	DEF AT
7180 / 7175	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
8920 / 8824	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8980 / 8874	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
9040 / 8924	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10029 / 9717	POS AT condensed section	DEF AT
10030 / 9718	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
10150 / 9814	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10240 / 9886	DEF AT local marker floral increase	DEF AT
10890 /10409	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10920 /10433	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11760 /11102	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11880 /11198	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12900 /12020	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13230 /12285	DEF AT reworked material	DEF AT
13380 /12405	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
14820 /13567	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
15330 /13987	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15360 /14012	DEF AT local marker floral increase	DEF AT
15399 /14044	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 282	Date of Summary: 01-JUL-2005	First Sample Examined: 5240
Lease Number: G26302	Source of Paleo: OPERATOR	Borehole MD: 18140
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15984
API Well Number: 608114044300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5240 - 18140	Water Depth: 2346
Public Info Code: Y 23-AUG-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Little Burn Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5240 / 5240	DEF AT first sample examined	DEF AT
5241 / 5241	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
5510 / 5510	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5540 / 5540	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5690 / 5688	DEF AT local marker floral increase	DEF AT
6860 / 6758	DEF AT local marker floral increase	DEF AT
7550 / 7304	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9470 / 8824	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9560 / 8896	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9620 / 8944	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10820 / 9901	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
11180 /10188	DEF AT local marker floral increase	DEF AT
11390 /10354	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
11780 /10668	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11810 /10693	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
12740 /11466	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12830 /11541	DEF AT local marker floral increase	DEF AT
14090 /12591	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
14870 /13235	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
16280 /14403	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16520 /14602	DEF AT reworked material	DEF AT
16910 /14928	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 282  
Lease Number: G26302  
Well Name: 001  
API Well Number: 608114044300  
Paleo Report Num: 1 of 2  
Public Info Code: Y 23-AUG-2015

Date of Summary: 01-JUL-2005  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 5240 - 18140  
Ecozone Eq MMS:

First Sample Examined: 5240  
Borehole MD: 18140  
Borehole TVD: 15984  
Rkb Elevation: 82  
Water Depth: 2346  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16940 /14953	DEF AT sample gap top	DEF AT
16999 /15004	DEF AT sample gap bottom	DEF AT
17000 /15005	DEF AT local marker floral increase	DEF AT
17060 /15057	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17210 /15186	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
17510 /15444	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17540 /15470	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
17600 /15521	DEF AT local marker floral increase	DEF AT
17690 /15599	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18140 /15985	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 282	<b>Date of Summary:</b> 01-AUG-2005	<b>First Sample Examined:</b> 5240
<b>Lease Number:</b> G26302	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18140
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15984
<b>API Well Number:</b> 608114044300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5240 - 18140	<b>Water Depth:</b> 2346
<b>Public Info Code:</b> Y 23-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Little Burn Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5240 / 5240	DEF AT first sample examined	DEF IN 2
5241 / 5241	DEF IN Holocene Globorotalia inflata	DEF IN 2
5540 / 5540	DEF AT -----	DEF AT 3
5600 / 5599	DEF AT -----	DEF AT 4
5720 / 5718	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5840 / 5836	DEF AT -----	DEF AT 3
6230 / 6208	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
6289 / 6262	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
6290 / 6263	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
6350 / 6317	DEF AT -----	DEF AT 5
6470 / 6425	DEF AT -----	DEF AT 4
6890 / 6783	DEF AT -----	DEF AT 5
7070 / 6927	DEF AT local marker foram decrease	DEF AT 4
7255 / 7073	DEF AT cement	DEF AT 4
7490 / 7257	DEF AT local marker benthic foram increase	DEF AT 4
7910 / 7586	DEF AT local marker foram decrease	DEF AT 4
8450 / 8011	DEF AT -----	DEF AT 5
8630 / 8154	DEF AT local marker foram increase	DEF AT 5
8690 / 8202	DEF AT -----	DEF IN 3
8930 / 8394	DEF AT -----	DEF AT 3
9410 / 8777	DEF AT -----	DEF IN 3
9470 / 8824	DEF AT local marker planktic foram increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 282	Date of Summary: 01-AUG-2005	First Sample Examined: 5240
Lease Number: G26302	Source of Paleo: OPERATOR	Borehole MD: 18140
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15984
API Well Number: 608114044300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5240 - 18140	Water Depth: 2346
Public Info Code: Y 23-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 9064	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10310 / 9494	DEF AT local marker foram decrease	DEF AT 3
10640 / 9758	DEF AT -----	DEF AT 4
10760 / 9853	DEF AT local marker foram increase	DEF AT 5
11060 /10093	DEF AT cement	DEF AT 4
11600 /10522	DEF AT -----	POS AT 4
11720 /10619	DEF AT local marker foram increase	DEF AT 5
11809 /10692	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11810 /10693	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12050 /10892	DEF AT -----	POS AT 5
12710 /11441	DEF AT -----	DEF AT 5
12769 /11490	POS AT condensed section	DEF AT 6
12770 /11491	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
12829 /11540	POS AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 6
12830 /11541	POS AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 6
12920 /11616	DEF AT local marker foram decrease	DEF AT 6
12950 /11641	DEF AT -----	POS AT 6
13370 /11992	POS AT local marker foram increase	DEF AT 4
13490 /12092	DEF AT -----	POS AT 4
13910 /12441	POS AT local marker foram increase	DEF AT 4
14090 /12591	DEF AT local marker foram increase	DEF AT 5
14155 /12645	DEF AT cement	DEF AT 5
14270 /12740	DEF AT local marker foram increase	DEF AT 5
14330 /12790	DEF AT -----	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 282	<b>Date of Summary:</b> 01-AUG-2005	<b>First Sample Examined:</b> 5240
<b>Lease Number:</b> G26302	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18140
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15984
<b>API Well Number:</b> 608114044300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5240 - 18140	<b>Water Depth:</b> 2346
<b>Public Info Code:</b> Y 23-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14719 /13110	DEF AT pyrite	DEF AT 5
14720 /13111	DEF AT local marker foram increase	DEF AT 5
14870 /13235	DEF AT local marker benthic foram increase	DEF AT 5
15170 /13482	DEF AT -----	DEF AT 6
15230 /13532	DEF AT -----	DEF AT 4
15530 /13781	DEF AT -----	POS AT 4
15770 /13980	DEF AT -----	DEF AT 4
15980 /14154	DEF AT foram flood	DEF AT 6
16100 /14254	DEF AT -----	POS AT 6
16280 /14403	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16610 /14677	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
16743 /14787	DEF AT local marker foram decrease	POS AT 5
16910 /14928	DEF AT local marker foram increase	DEF AT 4
16938 /14952	POS AT condensed section	DEF AT 4
16939 /14953	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
16940 /14953	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
16970 /14979	DEF AT -----	DEF AT 6
16999 /15004	DEF AT foram flood	DEF AT 6
17000 /15005	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
17300 /15264	DEF AT -----	DEF AT 5
17660 /15573	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17690 /15599	DEF AT -----	DEF AT 6
17780 /15676	DEF AT -----	DEF AT 5
17840 /15728	DEF AT local marker foram decrease	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 282	<b>Date of Summary:</b> 01-AUG-2005	<b>First Sample Examined:</b> 5240
<b>Lease Number:</b> G26302	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18140
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15984
<b>API Well Number:</b> 608114044300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5240 - 18140	<b>Water Depth:</b> 2346
<b>Public Info Code:</b> Y 23-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18080 /15934	DEF AT -----	DEF AT 4
18140 /15985	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 282	Date of Summary: 08-AUG-2005	First Sample Examined: 14310
Lease Number: G26302	Source of Paleo: OPERATOR	Borehole MD: 16646
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13778
API Well Number: 608114044301	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14310 - 16646	Water Depth: 2346
Public Info Code: Y 07-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

Remark: Little Burn Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14310 /12227	DEF AT first sample examined	DEF AT
14311 /12227	DEF IN local marker floral decrease	DEF AT
14610 /12426	DEF AT reworked material	DEF AT
14730 /12506	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
15870 /13260	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16110 /13420	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
16350 /13580	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16410 /13620	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16646 /13778	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 282	Date of Summary: 19-AUG-2005	First Sample Examined: 15790
Lease Number: G26302	Source of Paleo: OPERATOR	Borehole MD: 16572
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13979
API Well Number: 608114044302	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15790 - 16572	Water Depth: 2346
Public Info Code: Y 18-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

Remark: Little Burn Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15790 /13281	DEF AT first sample examined	DEF AT
15970 /13435	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
16090 /13542	POS AT local marker floral decrease	DEF AT
16425 /13845	DEF AT local marker floral increase	DEF AT
16440 /13859	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16470 /13886	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16572 /13979	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 282	<b>Date of Summary:</b> 24-AUG-2005	<b>First Sample Examined:</b> 15860
<b>Lease Number:</b> G26302	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16710
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14249
<b>API Well Number:</b> 608114044303	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15860 - 16710	<b>Water Depth:</b> 2350
<b>Public Info Code:</b> Y 23-SEP-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Little Burn Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15860 /13473	DEF AT first sample examined	DEF AT
16040 /13637	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
16490 /14050	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16614 /14164	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
16710 /14253	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 282	<b>Date of Summary:</b> 09-SEP-2005	<b>First Sample Examined:</b> 14740
<b>Lease Number:</b> G26302	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16730
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 14230
<b>API Well Number:</b> 608114044304	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14740 - 16730	<b>Water Depth:</b> 2346
<b>Public Info Code:</b> Y 10-OCT-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Little Burn Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14740 /12522	DEF AT first sample examined	DEF AT
14741 /12523	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14770 /12544	POS AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
14949 /12680	DEF AT sequence boundary	DEF AT
14950 /12680	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14980 /12704	DEF AT local marker floral decrease	DEF AT
15250 /12920	DEF AT local marker floral increase	DEF AT
15520 /13147	DEF AT local marker floral decrease	DEF AT
15580 /13199	DEF AT sequence boundary	DEF AT
15880 /13464	DEF AT local marker floral increase	DEF AT
16060 /13626	POS IN Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
16090 /13653	DEF AT local marker floral increase	DEF AT
16320 /13862	POS AT sequence boundary	DEF AT
16505 /14030	DEF AT local marker floral increase	DEF AT
16550 /14070	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16640 /14152	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16730 /14234	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 288	Date of Summary: 01-JUL-2000	First Sample Examined: 5570
Lease Number: G18355	Source of Paleo: OPERATOR	Borehole MD: 16160
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15912
API Well Number: 608114028000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 5570 - 16130	Water Depth: 3156
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 7520=Gephyrocapsa margerelli, 13400=Gephyrocapsa margerelli increase, 15680=Reticulofenestra minuta

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5570 / 5570	DEF AT first sample examined	DEF AT
5571 / 5571	POS IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
6230 / 6229	POS AT reworked material	DEF AT
6619 / 6618	POS AT unconformity	DEF AT
6620 / 6619	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
7130 / 7129	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7520 / 7519	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7610 / 7609	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8360 / 8359	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9830 / 9829	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10070 /10069	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10100 /10099	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10101 /10100	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11750 /11678	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11870 /11783	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
13310 /13078	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
13400 /13165	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14120 /13877	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14150 /13907	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14330 /14086	DEF AT local marker floral increase	DEF AT
15680 /15435	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15830 /15584	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 288	<b>Date of Summary:</b> 01-JUL-2000	<b>First Sample Examined:</b> 5570
<b>Lease Number:</b> G18355	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16160
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15912
<b>API Well Number:</b> 608114028000	<b>Drilling Operator:</b> DEVON LOUISIANA CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5570 - 16130	<b>Water Depth:</b> 3156
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15950 /15704	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
16100 /15854	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 297	Date of Summary: 07-NOV-2000	First Sample Examined: 5087
Lease Number: G08876	Source of Paleo: OPERATOR	Borehole MD: 16750
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16743
API Well Number: 608114027900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 5087 - 16750	Water Depth: 3140
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5087 / 5087	DEF AT first sample examined	DEF AT 4
7890 / 7890	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8220 / 8220	DEF AT - - - - -	DEF AT 4
9090 / 9090	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11429 /11426	DEF AT local marker planktic foram increase	DEF AT 5
11430 /11427	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12150 /12147	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12510 /12507	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13980 /13976	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14009 /14005	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
14010 /14006	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14069 /14065	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
14070 /14066	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
14160 /14156	DEF AT - - - - -	DEF AT 5
14580 /14576	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
15090 /15086	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15180 /15175	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
15209 /15204	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
15210 /15205	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15270 /15265	DEF AT local marker foram decrease	DEF AT 5
16740 /16734	DEF AT - - - - -	DEF AT 6
16750 /16744	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 297	Date of Summary: 07-NOV-2000	First Sample Examined: 5087
Lease Number: G08876	Source of Paleo: OPERATOR	Borehole MD: 16750
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16743
API Well Number: 608114027900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 5087 - 16750	Water Depth: 3140
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5087 / 5087	DEF AT first sample examined	DEF AT
7830 / 7830	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10890 /10888	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11430 /11427	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus (increase)	DEF AT
11580 /11577	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12180 /12177	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12480 /12477	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12540 /12537	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13530 /13527	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13980 /13976	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14010 /14006	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14550 /14546	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15030 /15026	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15090 /15086	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15210 /15205	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16110 /16104	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16750 /16744	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 298	<b>Date of Summary:</b> 09-MAY-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08010	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14600
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13676
<b>API Well Number:</b> 608114025103	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 3310
<b>Public Info Code:</b> Y 08-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12698 /11940	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13466 /12704	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14312 /13459	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 298	Date of Summary: 01-JUN-1997	First Sample Examined: 5270
Lease Number: G08876	Source of Paleo: OPERATOR	Borehole MD: 16478
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 15531
API Well Number: 608115009400	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5270 - 15500	Water Depth: 3308
Public Info Code: Y 17-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5270 / 5270	DEF AT first sample examined	DEF AT
6350 / 6349	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
7070 / 7065	DEF AT reworked material	DEF AT
8060 / 8053	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8870 / 8863	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9230 / 9223	DEF AT local marker foram increase	DEF AT
9620 / 9611	DEF AT local marker foram increase	DEF AT
10940 /10834	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
11059 /10930	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11060 /10931	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
11180 /11026	DEF AT Cyclamina sp. (local marker)	DEF AT
11870 /11537	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
12250 /11815	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12559 /12040	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
12560 /12041	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12680 /12127	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT
12740 /12170	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
12980 /12343	DEF AT local marker planktic foram increase	DEF AT
13490 /12737	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT
13790 /12993	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
14750 /13871	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
15500 /14577	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 299	Date of Summary: 27-OCT-2005	First Sample Examined: 11460
Lease Number: G15571	Source of Paleo: OPERATOR	Borehole MD: 16222
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16165
API Well Number: 608114045002	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 11460 - 16210	Water Depth: 3452
Public Info Code: Y 01-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11460 /11457	DEF AT first sample examined	DEF IN 5
11950 /11934	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
12640 /12597	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
13119 /13065	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
13120 /13066	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
14320 /14265	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
14710 /14655	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
15939 /15884	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
15940 /15885	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
15970 /15915	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
16060 /16005	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
16150 /16095	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
16180 /16125	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
16210 /16155	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 299	Date of Summary: 15-NOV-2006	First Sample Examined: 15831
Lease Number: G15571	Source of Paleo: OPERATOR	Borehole MD: 16100
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 15271
API Well Number: 608114045004	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15831 - 15911	Water Depth: 3456
Public Info Code: Y 01-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15831 /15016	DEF AT first sample examined	DEF AT 3
15832 /15017	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 3
15842 /15026	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
15843 /15027	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
15850 /15034	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF IN 5
15891 /15073	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
15899 /15080	POS AT transported outer shelf facies	POS AT 5
15900 /15081	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	POS AT 5
15910 /15091	POS AT transported outer shelf facies	POS AT 5
15911 /15092	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 299	Date of Summary: 21-DEC-2006	First Sample Examined: 10090
Lease Number: G22939	Source of Paleo: OPERATOR	Borehole MD: 15715
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15463
API Well Number: 608114048300	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10090 - 15700	Water Depth: 3456
Public Info Code: Y 12-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10090 /10024	DEF AT first sample examined	DEF AT 5
11620 /11504	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12670 /12520	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
13359 /13186	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
13360 /13187	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
13899 /13708	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
13900 /13709	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
14440 /14231	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
15430 /15188	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
15489 /15245	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
15490 /15246	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
15700 /15449	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 299	Date of Summary: 21-DEC-2006	First Sample Examined: 10220
Lease Number: G22939	Source of Paleo: OPERATOR	Borehole MD: 16165
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15894
API Well Number: 608114048301	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10220 - 16160	Water Depth: 3456
Public Info Code: Y 08-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10220 /10150	DEF AT first sample examined	DEF AT 5
12020 /11895	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
12860 /12706	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
13220 /13053	DEF AT poor sample interval top	DEF IN 5
13550 /13371	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
14240 /14037	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
14898 /14672	DEF AT poor sample interval bottom	DEF IN 5
14899 /14673	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
14900 /14674	POS AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF IN 5
15679 /15425	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
15680 /15426	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
15740 /15484	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
15860 /15600	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
16100 /15831	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
16129 /15859	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
16130 /15860	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
16160 /15889	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 300	Date of Summary: 16-JUL-2002	First Sample Examined: 7290
Lease Number: G22939	Source of Paleo: OPERATOR	Borehole MD: 18691
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18686
API Well Number: 608114034200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7290 - 18690	Water Depth: 3295
Public Info Code: Y 09-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7290 / 7290	DEF AT first sample examined	DEF AT 5
10560 /10559	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11820 /11819	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12600 /12599	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14400 /14399	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
14430 /14429	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
14489 /14488	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
14490 /14489	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14700 /14699	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
15239 /15238	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
15240 /15239	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
16290 /16288	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
16320 /16318	DEF AT -----	DEF AT 6
16374 /16372	DEF AT -----	DEF IN 5
18690 /18685	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 300	Date of Summary: 16-JUL-2002	First Sample Examined: 7290
Lease Number: G22939	Source of Paleo: OPERATOR	Borehole MD: 18691
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18686
API Well Number: 608114034200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7290 - 18690	Water Depth: 3295
Public Info Code: Y 09-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7290 / 7290	DEF AT first sample examined	DEF AT
8490 / 8489	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8790 / 8789	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11520 /11519	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13740 /13739	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14220 /14219	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14400 /14399	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14430 /14429	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14460 /14459	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14490 /14489	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14610 /14609	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15090 /15089	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15270 /15269	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
16320 /16318	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18690 /18685	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 304	Date of Summary: 28-AUG-2009	First Sample Examined: 20050
Lease Number: G28066	Source of Paleo: OPERATOR	Borehole MD: 27302
Well Name: 001	Paleo Done By: MITCH COVINGTON	Borehole TVD: 27301
API Well Number: 608114053400	Drilling Operator: REPSOL E&P USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 20050 - 27302	Water Depth: 3877
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Angostura Prospect, subsalt calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
20050 /20049	DEF AT first sample examined	DEF AT
20051 /20050	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20095 /20094	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
20109 /20108	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
20110 /20109	POS IN Cretaceous	DEF AT
20350 /20349	DEF AT Upper Cretaceous (Santonian) Lithastrinus moratus	DEF AT
20710 /20709	POS AT Upper Cretaceous (Coniacian) Stoverius achylosus	DEF AT
20785 /20784	DEF AT Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
20786 /20785	DEF AT Upper Cretaceous (Maastrichtian) Reinhardites levis	DEF AT
20787 /20786	POS AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
20879 /20878	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
20880 /20879	DEF AT Lower Paleocene (Danian) Markalius inversus astroporus	DEF AT
20910 /20909	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
20940 /20939	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
20994 /20993	DEF AT local marker floral decrease	DEF AT
21030 /21029	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
21120 /21119	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
21132 /21131	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21149 /21148	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
21150 /21149	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
21330 /21329	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21359 /21358	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 304	Date of Summary: 28-AUG-2009	First Sample Examined: 20050
Lease Number: G28066	Source of Paleo: OPERATOR	Borehole MD: 27302
Well Name: 001	Paleo Done By: MITCH COVINGTON	Borehole TVD: 27301
API Well Number: 608114053400	Drilling Operator: REPSOL E&P USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 20050 - 27302	Water Depth: 3877
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS: N	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21360 /21359	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21450 /21449	DEF AT local marker floral increase	DEF AT
21969 /21968	DEF AT reworked material	DEF AT
21970 /21969	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22560 /22559	POS AT out-of-place section	DEF AT
24350 /24349	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25460 /25459	DEF AT local marker floral increase	DEF AT
26150 /26149	DEF AT reworked material	DEF AT
26599 /26598	DEF AT reworked material	DEF AT
26600 /26599	POS IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
27302 /27301	DEF AT last sample examined	DEF AT

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 313	Date of Summary: 16-NOV-2007	First Sample Examined: 4600
Lease Number: G18364	Source of Paleo: OPERATOR	Borehole MD: 10000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10000
API Well Number: 608114049800	Drilling Operator: REPSOL E&P USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4600 - 10000	Water Depth: 2747
Public Info Code: Y 19-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4600 / 4600	DEF AT first sample examined	DEF AT 5
4601 / 4601	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
5470 / 5470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
5740 / 5740	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6160 / 6160	DEF AT - - - - -	DEF IN 5
6250 / 6250	DEF AT sample gap top	POS IN 5
6310 / 6310	DEF AT sample gap bottom	DEF AT 5
6760 / 6760	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9400 / 9400	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
10000 /10000	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 320	<b>Date of Summary:</b> 11-JUL-2005	<b>First Sample Examined:</b> 19760
<b>Lease Number:</b> G25139	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20037
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19431
<b>API Well Number:</b> 608114043200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19760 - 19905	<b>Water Depth:</b> 2596
<b>Public Info Code:</b> Y 19-OCT-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19760 /19188	DEF AT first sample examined	DEF AT 5
19761 /19189	DEF AT out-of-place section	DEF AT 5
19905 /19315	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 320	Date of Summary: 11-JUL-2005	First Sample Examined: 19760
Lease Number: G25139	Source of Paleo: OPERATOR	Borehole MD: 20037
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19431
API Well Number: 608114043200	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 19760 - 19905	Water Depth: 2596
Public Info Code: Y 19-OCT-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19760 /19188	DEF AT first sample examined	DEF AT
19761 /19189	DEF AT out-of-place section	DEF AT
19850 /19267	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
19904 /19314	DEF AT out-of-place section	DEF AT
19905 /19315	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 320	<b>Date of Summary:</b> 05-JUL-2005	<b>First Sample Examined:</b> 19740
<b>Lease Number:</b> G25139	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24491
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23372
<b>API Well Number:</b> 608114043201	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19740 - 24488	<b>Water Depth:</b> 2596
<b>Public Info Code:</b> Y 19-OCT-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19740 /19183	DEF AT first sample examined	DEF AT
19741 /19184	DEF IN out-of-place section	DEF AT
19742 /19185	DEF IN Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
19760 /19201	DEF AT Upper Oligocene (Chattian) <i>Dictyococcites bisectus</i>	DEF AT
19820 /19254	DEF AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT
19850 /19280	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus (acme)</i>	DEF AT
20359 /19721	DEF AT Upper Miocene (Tortonian) <i>Discoaster loeblichii</i>	DEF AT
20360 /19722	DEF AT Upper Miocene (Tortonian) <i>Minylitha convallis</i>	DEF AT
20420 /19774	DEF AT local marker floral increase	DEF AT
20480 /19826	DEF AT Upper Miocene (Tortonian) <i>Discoaster prepentaradiatus (increase)</i>	DEF AT
20510 /19853	DEF AT out-of-place section	DEF AT
21020 /20303	DEF AT Upper Miocene (Tortonian) <i>Discoaster bollii</i>	DEF AT
21500 /20728	DEF AT Upper Miocene (Tortonian) <i>Discoaster hamatus</i>	DEF AT
22380 /21512	DEF AT Upper Miocene (Tortonian) <i>Catinaster coalitus</i>	DEF AT
23940 /22882	DEF AT Upper Miocene (Tortonian) <i>Coccolithus miopelagicus</i>	DEF AT
24488 /23369	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 320	Date of Summary: 11-JUL-2005	First Sample Examined: 19740
Lease Number: G25139	Source of Paleo: OPERATOR	Borehole MD: 24491
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23372
API Well Number: 608114043201	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 19740 - 24488	Water Depth: 2596
Public Info Code: Y 19-OCT-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19740 /19183	DEF AT first sample examined	DEF AT 5
19741 /19184	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
19742 /19185	POS IN Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF AT 5
19910 /19333	DEF AT out-of-place section	DEF AT 5
20420 /19774	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20600 /19932	DEF AT out-of-place section	DEF AT 5
23820 /22776	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
24488 /23369	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 320	Date of Summary: 05-JUL-2005	First Sample Examined: 23912
Lease Number: G25139	Source of Paleo: OPERATOR	Borehole MD: 32023
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30505
API Well Number: 608114043202	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 23912 - 32023	Water Depth: 2596
Public Info Code: Y 19-OCT-2014	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23912 /22863	DEF AT first sample examined	DEF AT 5
24000 /22941	POS IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
24720 /23572	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
25170 /23959	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
25350 /24114	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
25590 /24322	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
25650 /24375	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
27780 /26320	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
27960 /26493	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
29520 /28016	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
32023 /30506	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 320	Date of Summary: 11-JUL-2005	First Sample Examined: 23912
Lease Number: G25139	Source of Paleo: OPERATOR	Borehole MD: 32023
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30505
API Well Number: 608114043202	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 23912 - 32023	Water Depth: 2596
Public Info Code: Y 19-OCT-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23912 /22863	DEF AT first sample examined	DEF AT
24180 /23100	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25170 /23959	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
25260 /24036	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25530 /24270	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
27810 /26349	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
29430 /27927	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
29580 /28075	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
32023 /30506	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 02-MAR-2001	First Sample Examined: 5960
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 16036
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15723
API Well Number: 608115013400	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5960 - 16033	Water Depth: 3330
Public Info Code: Y 15-JAN-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5960 / 5960	DEF AT first sample examined	DEF AT 4
6740 / 6739	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
7760 / 7759	DEF AT - - - - -	DEF AT 5
7910 / 7909	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
12780 /12682	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14700 /14476	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15300 /15035	DEF AT anhydrite	DEF AT 5
15301 /15036	DEF AT domal material	DEF AT 5
16033 /15720	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 02-MAR-2001	<b>First Sample Examined:</b> 5960
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16036
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15723
<b>API Well Number:</b> 608115013400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5960 - 16033	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 15-JAN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5960 / 5960	DEF AT first sample examined	DEF AT
7700 / 7699	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11130 /11128	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12840 /12738	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13080 /12961	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13950 /13770	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14640 /14420	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15060 /14812	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15330 /15063	DEF AT salt	DEF AT
16033 /15720	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 02-MAR-2001	First Sample Examined: 13130
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 20716
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20211
API Well Number: 608115013401	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 13130 - 20716	Water Depth: 3330
Public Info Code: Y 22-FEB-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13130 /13008	DEF AT first sample examined	DEF AT
13940 /13782	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14630 /14440	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15050 /14840	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15530 /15298	DEF AT salt	DEF AT
16070 /15808	DEF AT base of salt	DEF AT
16099 /15835	POS AT out-of-place section	DEF AT
16100 /15836	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16400 /16117	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18530 /18130	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19070 /18643	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19280 /18845	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
20716 /20211	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 12-MAR-2001	<b>First Sample Examined:</b> 13130
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20716
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20211
<b>API Well Number:</b> 608115013401	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13130 - 20716	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 22-FEB-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13130 /13008	DEF AT first sample examined	DEF AT 5
14750 /14555	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15500 /15269	DEF AT domal material	DEF AT 5
16070 /15808	DEF AT base of salt	DEF AT 5
16100 /15836	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17360 /17026	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19070 /18643	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
19550 /19103	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
20716 /20211	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 06-MAR-2001	First Sample Examined: 18503
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 22925
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22454
API Well Number: 608115013402	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 18503 - 22925	Water Depth: 3330
Public Info Code: Y 31-MAR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18503 /18104	DEF AT first sample examined	DEF AT 5
18504 /18105	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19100 /18684	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
19245 /18825	DEF AT sample gap top	POS AT 5
19310 /18888	DEF AT sample gap bottom	DEF AT 5
19640 /19210	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
22925 /22454	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 06-MAR-2001	<b>First Sample Examined:</b> 18503
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22925
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22454
<b>API Well Number:</b> 608115013402	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18503 - 22925	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 31-MAR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18503 /18104	DEF AT first sample examined	DEF AT
19100 /18684	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19310 /18888	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
22820 /22351	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22925 /22454	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 03-JUL-2001	First Sample Examined: 12575
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18673
API Well Number: 608115013403	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12575 - 19700	Water Depth: 3330
Public Info Code: Y 28-APR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12575 /12492	DEF AT first sample examined	DEF AT 4
12770 /12671	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14600 /14268	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14630 /14294	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
15050 /14662	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15200 /14794	DEF AT salt	DEF AT 5
15290 /14875	DEF AT sample gap top	POS AT 5
15390 /14965	DEF AT sample gap bottom	DEF AT 5
15890 /15418	DEF AT base of salt	DEF AT 5
16100 /15604	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16130 /15630	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
16180 /15673	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16388 /15849	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
16389 /15849	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
16390 /15850	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19060 /18120	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
19700 /18673	DEF AT last sample examined	DEF AT 5

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 03-JUL-2001	First Sample Examined: 12575
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18673
API Well Number: 608115013403	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12575 - 19700	Water Depth: 3330
Public Info Code: Y 28-APR-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** 15890=very rare Discoaster bollii, within the jumbled zone below salt, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12575 /12492	DEF AT first sample examined	DEF AT
12770 /12671	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13910 /13675	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14600 /14268	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14840 /14478	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15080 /14689	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15140 /14741	POS AT salt	DEF AT
15200 /14794	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15890 /15418	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16100 /15604	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16360 /15825	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
16420 /15875	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16840 /16218	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
19330 /18354	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19700 /18673	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 03-JUL-2001	<b>First Sample Examined:</b> 18150
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20818
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19639
<b>API Well Number:</b> 608115013404	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18150 - 20820	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 04-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18150 /17339	DEF AT first sample examined	DEF AT 5
19120 /18166	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
20170 /19069	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
20820 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 03-JUL-2001	First Sample Examined: 18150
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 20818
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19639
API Well Number: 608115013404	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 18150 - 20820	Water Depth: 3330
Public Info Code: Y 04-JUN-2011	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18150 /17339	DEF AT first sample examined	DEF AT
19240 /18268	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20230 /19122	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
20820 /	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 19-OCT-2001	<b>First Sample Examined:</b> 12500
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18775
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18582
<b>API Well Number:</b> 608114030400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12500 - 18775	<b>Water Depth:</b> 3326
<b>Public Info Code:</b> Y 23-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12500 /12476	DEF AT first sample examined	DEF AT
12710 /12684	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13880 /13841	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14510 /14464	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14990 /14943	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15320 /15273	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15350 /15303	POS AT reworked material	DEF AT
15440 /15393	DEF IN salt	DEF AT
16069 /16017	DEF AT base of salt	DEF AT
16070 /16018	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16610 /16549	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16820 /16754	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16940 /16869	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16970 /16898	DEF IN salt	DEF AT
17360 /17265	DEF AT base of salt	DEF AT
17361 /17265	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18440 /18265	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18775 /18582	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 19-OCT-2001	<b>First Sample Examined:</b> 12500
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18775
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18582
<b>API Well Number:</b> 608114030400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12500 - 18775	<b>Water Depth:</b> 3326
<b>Public Info Code:</b> Y 23-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** 17390=fauna as old as Middle Miocene Bigenerina humblei, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12500 /12476	DEF AT first sample examined	DEF AT 5
12890 /12862	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14540 /14494	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15380 /15333	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15442 /15395	DEF IN salt	DEF AT 5
16069 /16017	DEF AT base of salt	DEF AT 5
16070 /16018	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16610 /16549	DEF AT - - - - -	DEF AT 6
16940 /16869	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
16970 /16898	DEF AT anhydrite	DEF AT 6
16971 /16899	DEF AT salt	DEF AT 6
17390 /17292	DEF AT base of salt	DEF AT 5
18050 /17902	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18440 /18265	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
18775 /18582	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 19-OCT-2001	<b>First Sample Examined:</b> 16060
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16457
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16337
<b>API Well Number:</b> 608114030401	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16060 - 16458	<b>Water Depth:</b> 3326
<b>Public Info Code:</b> Y 06-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16060 /15969	DEF AT first sample examined	DEF AT 5
16061 /15970	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16200 /16099	DEF AT - - - - -	DEF IN 5
16458 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 19-OCT-2001	<b>First Sample Examined:</b> 16060
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16457
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16337
<b>API Well Number:</b> 608114030401	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16060 - 16458	<b>Water Depth:</b> 3326
<b>Public Info Code:</b> Y 06-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16060 /15969	DEF AT first sample examined	DEF AT
16061 /15970	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16260 /16155	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16320 /16210	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16380 /16266	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16458 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 19-OCT-2001	<b>First Sample Examined:</b> 14448
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20531
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20199
<b>API Well Number:</b> 608114030402	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14448 - 20530	<b>Water Depth:</b> 3326
<b>Public Info Code:</b> Y 06-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** 16100=as old as Middle Miocene Cristellaria I fauna, 16760=oldest age-diagnostic species noted, true age may be older, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14448 /14403	DEF AT first sample examined	DEF AT 5
14540 /14493	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15200 /15116	DEF IN salt	DEF AT 5
16100 /15917	DEF AT base of salt	DEF AT 5
16760 /16526	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16910 /16667	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17570 /17307	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
19520 /19212	DEF AT - - - - -	DEF AT 4
20210 /19886	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
20530 /20198	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 19-OCT-2001	First Sample Examined: 14448
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 20531
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20199
API Well Number: 608114030402	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 14448 - 20530	Water Depth: 3326
Public Info Code: Y 06-NOV-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14448 /14403	DEF AT first sample examined	DEF AT
14540 /14493	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14960 /14897	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15050 /14980	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15260 /15170	DEF IN salt	DEF AT
15290 /15197	DEF AT sample gap top	DEF AT
15560 /15438	DEF AT sample gap bottom	DEF AT
16100 /15917	DEF AT base of salt	DEF AT
16101 /15918	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16250 /16053	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16910 /16667	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18290 /18010	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19130 /18830	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
20530 /20198	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 26-NOV-2001	First Sample Examined: 12480
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 21714
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20300
API Well Number: 608114030300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12480 - 21714	Water Depth: 3330
Public Info Code: Y 07-DEC-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12480 /12472	DEF AT first sample examined	DEF AT 4
13620 /13556	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
15300 /14953	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16980 /16309	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18000 /17142	DEF AT - - - - -	DEF IN 5
18030 /17166	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
18150 /17261	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
18180 /17285	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
18300 /17380	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
18390 /17453	DEF AT - - - - -	DEF AT 5
19020 /17980	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
19170 /18105	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
20220 /18991	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
20280 /19043	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
20610 /19320	DEF AT - - - - -	DEF AT 5
20670 /19370	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
21714 /20300	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 26-NOV-2001	<b>First Sample Examined:</b> 12480
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21714
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20300
<b>API Well Number:</b> 608114030300	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12480 - 21714	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 07-DEC-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12480 /12472	DEF AT first sample examined	DEF AT
13140 /13113	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13890 /13791	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15270 /14929	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15330 /14977	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16650 /16035	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
16920 /16259	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18090 /17213	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18870 /17854	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18960 /17930	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19440 /18328	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
20310 /19068	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
21420 /20027	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
21714 /20300	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 03-JAN-2003	First Sample Examined: 15150
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 21571
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19920
API Well Number: 608114030301	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 15150 - 21572	Water Depth: 3330
Public Info Code: Y 17-JAN-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15150 /14833	DEF AT first sample examined	DEF AT
15300 /14948	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15330 /14971	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16770 /16032	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
17730 /16800	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18270 /17233	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19050 /17858	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19080 /17882	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
19590 /18294	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
20180 /18785	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
21510 /19868	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
21572 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 06-JAN-2003	<b>First Sample Examined:</b> 15150
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21571
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19920
<b>API Well Number:</b> 608114030301	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15150 - 21572	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 17-JAN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15150 /14833	DEF AT first sample examined	DEF AT 5
15151 /14833	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16770 /16032	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18210 /17185	DEF AT - - - - -	DEF IN 5
18240 /17209	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
18270 /17233	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
18360 /17305	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
18450 /17377	DEF AT - - - - -	DEF AT 5
19110 /17906	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
20180 /18785	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
21572 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 10-APR-2002	First Sample Examined: 12500
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 24258
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22234
API Well Number: 608114033200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 12500 - 24258	Water Depth: 3328
Public Info Code: Y 27-APR-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12500 /12499	DEF AT first sample examined	DEF AT 4
12890 /12889	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15260 /15046	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15590 /15329	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
16580 /16176	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17450 /16938	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18170 /17572	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18740 /18069	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
20180 /19353	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
20480 /19619	DEF AT -----	DEF AT 5
24050 /22113	DEF AT -----	DEF IN 5
24230 /22218	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
24258 /22234	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 14-MAY-2002	<b>First Sample Examined:</b> 12500
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24258
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22234
<b>API Well Number:</b> 608114033200	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12500 - 24258	<b>Water Depth:</b> 3328
<b>Public Info Code:</b> Y 27-APR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12500 /12499	DEF AT first sample examined	DEF AT
12650 /12649	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14210 /14137	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15260 /15046	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15350 /15123	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16580 /16176	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
16820 /16382	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17450 /16938	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18170 /17572	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18410 /17782	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18890 /18199	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
20240 /19408	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
21920 /20715	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
24258 /22234	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 10-MAR-2003	First Sample Examined: 13000
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 20110
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19162
API Well Number: 608114035300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 13000 - 20110	Water Depth: 3330
Public Info Code: Y 08-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13000 /12990	DEF AT first sample examined	DEF AT 5
14500 /14415	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15250 /15055	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15339 /15131	DEF AT anhydrite	DEF AT 5
15340 /15131	DEF AT salt	DEF AT 5
16119 /15796	DEF AT base of salt	DEF AT 5
16120 /15797	DEF AT out-of-place section	DEF AT 5
16360 /16002	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17470 /16949	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19600 /18746	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 5
19630 /18770	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
19780 /18892	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
19840 /18942	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
20110 /19162	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 10-MAR-2003	First Sample Examined: 13000
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 20110
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19162
API Well Number: 608114035300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 13000 - 20110	Water Depth: 3330
Public Info Code: Y 08-MAR-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13000 /12990	DEF AT first sample examined	DEF AT
13690 /13669	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13870 /13841	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14530 /14441	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14590 /14493	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15220 /15029	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15250 /15055	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15280 /15080	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15520 /15285	DEF IN salt	DEF AT
16030 /15720	DEF AT out-of-place section	DEF AT
16120 /15797	DEF AT base of salt	DEF AT
16540 /16156	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17440 /16924	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18880 /18140	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19780 /18892	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
20110 /19162	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 20-DEC-2006	First Sample Examined: 18798
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 20850
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19409
API Well Number: 608114035301	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 193
Paleo Report Num: 1 of 1	Sample Range: 18798 - 20850	Water Depth: 3325
Public Info Code: Y 19-NOV-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18798 /18089	DEF AT first sample examined	DEF AT 5
18990 /18244	DEF AT - - - - -	DEF AT 6
20010 /18945	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
20310 /19114	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
20370 /19147	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
20850 /19409	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 17-APR-2003	<b>First Sample Examined:</b> 12100
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23214
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20779
<b>API Well Number:</b> 608114035400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12100 - 23211	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 10-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12100 /12095	DEF AT first sample examined	DEF AT 4
12970 /12965	DEF AT - - - - -	DEF AT 5
14050 /14045	DEF AT local marker foram increase	DEF AT 5
14800 /14789	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15010 /14993	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
17560 /16960	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18850 /17816	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
19840 /18471	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
20618 /18982	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
20619 /18982	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
20620 /18983	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
20860 /19142	DEF AT - - - - -	DEF IN 5
21010 /19241	DEF AT - - - - -	DEF AT 5
23211 /20777	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 17-APR-2003	<b>First Sample Examined:</b> 12100
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23214
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20779
<b>API Well Number:</b> 608114035400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12100 - 23214	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 10-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12100 /12095	DEF AT first sample examined	DEF AT
13360 /13355	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14050 /14045	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14800 /14789	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15460 /15413	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16510 /16261	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
17020 /16602	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17920 /17199	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18850 /17816	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19090 /17976	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19900 /18510	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
20890 /19162	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
20920 /19182	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
23170 /20745	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
23214 /20779	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 03-JUN-2003	First Sample Examined: 12180
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 21637
Well Name: A008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19375
API Well Number: 608114035500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 12180 - 21637	Water Depth: 3330
Public Info Code: Y 27-JUN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12180 /12154	DEF AT first sample examined	DEF AT 4
13499 /13362	POS AT maximum flooding surface	DEF AT 5
13500 /13363	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
13501 /13364	POS AT condensed section	DEF AT 5
13530 /13391	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
14368 /14143	POS AT condensed section	DEF AT 5
14369 /14144	POS AT maximum flooding surface	DEF AT 5
14370 /14145	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14500 /14255	POS AT condensed section	DEF AT 5
14729 /14445	POS AT maximum flooding surface	DEF AT 5
14730 /14446	POS AT condensed section	DEF AT 5
15240 /14843	DEF AT salt	DEF AT
16140 /15486	DEF AT base of salt	DEF AT 5
16590 /15802	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16860 /15993	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16889 /16014	POS AT condensed section	DEF AT 5
16890 /16015	POS AT maximum flooding surface	DEF AT 5
21180 /19024	DEF AT - - - - -	DEF AT 6
21208 /19045	POS AT maximum flooding surface	DEF AT 6
21209 /19046	POS AT condensed section	DEF AT 6
21210 /19047	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
21389 /19184	POS AT maximum flooding surface	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 03-JUN-2003	<b>First Sample Examined:</b> 12180
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21637
<b>Well Name:</b> A008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19375
<b>API Well Number:</b> 608114035500	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12180 - 21637	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 27-JUN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21390 /19184	POS AT condensed section	DEF AT 6
21420 /19208	DEF AT -----	DEF AT 5
21637 /19375	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 03-JUN-2003	<b>First Sample Examined:</b> 12180
<b>Lease Number:</b> G21790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21637
<b>Well Name:</b> A008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19375
<b>API Well Number:</b> 608114035500	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12180 - 21637	<b>Water Depth:</b> 3330
<b>Public Info Code:</b> Y 27-JUN-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12180 /12154	DEF AT first sample examined	DEF AT
13050 /12950	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13830 /13668	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14400 /14170	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14490 /14246	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14730 /14446	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15030 /14684	DEF AT salt	DEF AT
16140 /15486	DEF AT base of salt	DEF AT
16141 /15486	DEF AT out-of-place section	DEF AT
16350 /15633	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16890 /16015	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19590 /17875	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
21210 /19047	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
21637 /19375	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 01-SEP-2004	First Sample Examined: 8864
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 17607
Well Name: SS009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17203
API Well Number: 608114042400	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8864 - 17607	Water Depth: 3278
Public Info Code: Y 02-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8864 / 8863	DEF AT first sample examined	DEF AT 4
10200 /10158	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11700 /11567	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
11850 /11707	DEF AT - - - - -	DEF AT 5
12540 /12350	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
13080 /12855	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13260 /13021	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
13440 /13188	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
13800 /13525	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13860 /13581	DEF AT - - - - -	DEF AT 5
14340 /14037	DEF AT - - - - -	DEF IN 5
14400 /14095	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
14429 /14123	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
14430 /14124	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14580 /14269	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
14640 /14327	DEF AT - - - - -	DEF AT 5
15000 /14677	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16530 /16163	DEF AT - - - - -	DEF AT 6
16560 /16191	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
16680 /16307	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
17607 /17203	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 01-SEP-2004	First Sample Examined: 8864
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 17607
Well Name: SS009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17203
API Well Number: 608114042400	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8864 - 17607	Water Depth: 3278
Public Info Code: Y 02-SEP-2014	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8864 / 8863	DEF AT first sample examined	DEF AT
10200 /10158	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10560 /10496	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11700 /11567	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12720 /12518	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13080 /12855	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13260 /13021	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13740 /13469	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13800 /13525	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14369 /14065	POS AT reworked material	DEF AT
14370 /14066	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14400 /14095	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14460 /14153	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14520 /14211	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15449 /15113	POS AT salt weld	DEF AT
15450 /15114	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15480 /15143	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16590 /16220	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16710 /16336	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
17009 /16625	POS AT reworked material	DEF AT
17010 /16626	POS AT transported shelf fauna	DEF AT
17607 /17203	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 06-JUL-2001	First Sample Examined: 11010
Lease Number: G21791	Source of Paleo: OPERATOR	Borehole MD: 21359
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20071
API Well Number: 608115013405	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11010 - 21359	Water Depth: 3330
Public Info Code: Y 08-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 /11009	DEF AT first sample examined	DEF AT 4
12810 /12732	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14010 /13740	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
15420 /14916	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15930 /15340	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17190 /16388	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
17280 /16464	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
19410 /18303	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
20700 /19471	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
21359 /20071	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 06-JUL-2001	First Sample Examined: 11010
Lease Number: G21791	Source of Paleo: OPERATOR	Borehole MD: 21359
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20071
API Well Number: 608115013405	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11010 - 21359	Water Depth: 3330
Public Info Code: Y 08-JUL-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 /11009	DEF AT first sample examined	DEF AT
12750 /12679	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13980 /13715	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15360 /14865	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15870 /15290	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15900 /15315	POS AT reworked material	DEF AT
16290 /15639	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17160 /16363	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18420 /17435	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19110 /18037	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19440 /18330	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
20700 /19471	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
21359 /20071	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 27-AUG-2002	First Sample Examined: 12500
Lease Number: G22950	Source of Paleo: OPERATOR	Borehole MD: 22918
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19994
API Well Number: 608114033300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 12500 - 22910	Water Depth: 3328
Public Info Code: Y 29-AUG-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12500 /11529	DEF AT first sample examined	DEF AT
14240 /12958	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
14450 /13132	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15740 /14185	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17250 /15410	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17520 /15630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18540 /16458	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
18690 /16579	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
19880 /17546	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19910 /17571	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20330 /17913	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
20600 /18133	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
21110 /18539	POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
21620 /18949	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
22910 /19988	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 338	Date of Summary: 28-AUG-2002	First Sample Examined: 12500
Lease Number: G22950	Source of Paleo: OPERATOR	Borehole MD: 22918
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19994
API Well Number: 608114033300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 12500 - 22910	Water Depth: 3328
Public Info Code: Y 29-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12500 /11529	DEF AT first sample examined	DEF AT 5
13700 /12515	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
15710 /14161	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
17310 /15459	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
18510 /16433	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
19080 /16896	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
19940 /17595	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
20600 /18133	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21499 /18851	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
21500 /18852	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
21530 /18876	DEF AT -----	DEF AT 6
22910 /19988	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 27-AUG-2002	<b>First Sample Examined:</b> 22910
<b>Lease Number:</b> G22950	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25939
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22312
<b>API Well Number:</b> 608114033301	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22910 - 25940	<b>Water Depth:</b> 3328
<b>Public Info Code:</b> Y 12-SEP-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22910 /20021	DEF AT first sample examined	DEF AT
23270 /20317	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23660 /20635	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
25430 /21979	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
25940 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 338	<b>Date of Summary:</b> 28-AUG-2002	<b>First Sample Examined:</b> 22910
<b>Lease Number:</b> G22950	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25939
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22312
<b>API Well Number:</b> 608114033301	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22910 - 25940	<b>Water Depth:</b> 3328
<b>Public Info Code:</b> Y 12-SEP-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22910 /20021	DEF AT first sample examined	DEF AT 6
23750 /20709	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
23840 /20781	DEF AT - - - - -	DEF AT 5
25400 /21958	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
25940 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 341	Date of Summary: 22-JUL-1998	First Sample Examined: 7200
Lease Number: G13171	Source of Paleo: OPERATOR	Borehole MD: 23084
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22384
API Well Number: 608115012900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7200 - 23070	Water Depth: 3394
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS: N	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7200 / 7198	DEF AT first sample examined	DEF AT
7920 / 7918	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11130 /11128	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11699 /11697	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11700 /11698	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12210 /12208	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12660 /12658	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13410 /13408	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13860 /13858	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14550 /14548	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14580 /14578	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14610 /14608	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15180 /15178	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15690 /15685	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16080 /16068	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
16800 /16753	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19320 /19019	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
19800 /19447	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20310 /19902	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
22020 /21422	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
23070 /22372	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 341	<b>Date of Summary:</b> 27-JUL-1998	<b>First Sample Examined:</b> 6450
<b>Lease Number:</b> G13171	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23084
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22384
<b>API Well Number:</b> 608115012900	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6450 - 23070	<b>Water Depth:</b> 3394
<b>Public Info Code:</b> Y 30-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 6449	DEF AT first sample examined	DEF AT 5
7590 / 7588	DEF AT -----	DEF AT 4
8070 / 8068	DEF AT -----	DEF AT 5
8790 / 8788	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9210 / 9208	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
14580 /14578	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14610 /14608	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
16050 /16039	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
17280 /17192	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
17370 /17274	DEF AT -----	POS AT 6
21960 /21367	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
23070 /22372	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 341	<b>Date of Summary:</b> 14-OCT-1998	<b>First Sample Examined:</b> 19667
<b>Lease Number:</b> G13171	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24309
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23478
<b>API Well Number:</b> 608115012901	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19667 - 24330	<b>Water Depth:</b> 3420
<b>Public Info Code:</b> Y 30-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19667 /19327	DEF AT first sample examined	DEF AT 6
19668 /19328	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
22020 /21395	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
24330 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 341	<b>Date of Summary:</b> 14-OCT-1998	<b>First Sample Examined:</b> 19667
<b>Lease Number:</b> G13171	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24309
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23478
<b>API Well Number:</b> 608115012901	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19667 - 24330	<b>Water Depth:</b> 3420
<b>Public Info Code:</b> Y 30-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, at 23970 a well-developed condensed section was noted with an isolated occurrence of Discoaster B, subsequent samples within the same condensed section, which actually may be a floral occurrence on top of a basin floor fan within the transgressive system tract, yielded no additional specimens of Discoaster B, Its occurrence here is considered reworked for lack of continuity in subsequent samples, If Discoaster B is in place, then 23970=basal Pliocene/approaching Robulus E

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19667 /19327	DEF AT first sample examined	DEF AT
20310 /19883	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
22020 /21395	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
23970 /23169	POS AT condensed section	DEF AT
24330 /	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 376	Date of Summary: 04-OCT-2006	First Sample Examined: 5600
Lease Number: G18373	Source of Paleo: OPERATOR	Borehole MD: 19678
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19260
API Well Number: 608114045600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5600 - 19678	Water Depth: 3040
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5600	DEF AT first sample examined	DEF IN 4
5601 / 5601	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
5660 / 5660	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
5690 / 5690	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 4
5780 / 5780	DEF AT - - - - -	DEF IN 5
6320 / 6320	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
6677 / 6677	DEF AT unconformity	DEF IN 5
6678 / 6678	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
6679 / 6679	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
6680 / 6680	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6709 / 6709	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6710 / 6710	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
6800 / 6800	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
6980 / 6980	DEF AT - - - - -	DEF AT 5
7010 / 7010	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7160 / 7160	DEF AT - - - - -	DEF IN 5
7190 / 7190	DEF AT anhydrite	DEF IN 5
7475 / 7475	DEF IN salt	DEF IN 5
7476 / 7476	DEF AT sample gap top	DEF IN 5
19676 /19258	DEF AT sample gap bottom	DEF IN 5
19677 /19259	DEF AT base of salt	POS IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 376	Date of Summary: 04-OCT-2006	First Sample Examined: 5600
Lease Number: G18373	Source of Paleo: OPERATOR	Borehole MD: 19678
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19260
API Well Number: 608114045600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5600 - 19678	Water Depth: 3040
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19678 /19260	DEF AT last sample examined	POS IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 376	Date of Summary: 04-OCT-2006	First Sample Examined: 19980
Lease Number: G18373	Source of Paleo: OPERATOR	Borehole MD: 26755
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25502
API Well Number: 608114045602	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 19980 - 26757	Water Depth: 3040
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19980 /19339	DEF AT first sample examined	POS IN 5
20129 /19473	DEF AT out-of-place section	POS IN 5
20130 /19474	POS AT transported outer shelf facies	POS IN 5
20250 /19583	DEF AT - - - - -	DEF IN 5
20280 /19610	DEF AT out-of-place section	DEF AT 6
20310 /19638	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
20320 /19647	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
20340 /19665	DEF AT transported outer shelf facies	POS AT 6
20370 /19692	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 6
20490 /19801	DEF AT - - - - -	DEF IN 5
20970 /20236	DEF AT transported outer shelf facies	POS IN 5
21510 /20724	DEF AT sample gap top	POS IN 5
22790 /21828	DEF AT sample gap bottom	POS IN 5
23900 /22838	POS AT reworked material	POS IN 5
24020 /22948	DEF AT transported outer shelf facies	DEF AT 6
26360 /25133	DEF AT transported outer shelf facies	DEF AT 6
26757 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 376	Date of Summary: 23-OCT-2006	First Sample Examined: 24490
Lease Number: G18373	Source of Paleo: OPERATOR	Borehole MD: 30072
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28648
API Well Number: 608114045603	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 24490 - 30072	Water Depth: 3040
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24490 /23372	DEF AT first sample examined	DEF IN 5
24491 /23373	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
27980 /26681	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
30072 /28648	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 379	Date of Summary: 24-JUN-2003	First Sample Examined: 10000
Lease Number: G15577	Source of Paleo: OPERATOR	Borehole MD: 13964
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13604
API Well Number: 608114035003	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10000 - 13810	Water Depth: 3868
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9925	DEF AT first sample examined	DEF AT 5
10150 /10073	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10900 /10797	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13810 /13459	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 379	Date of Summary: 24-JUN-2003	First Sample Examined: 10000
Lease Number: G15577	Source of Paleo: OPERATOR	Borehole MD: 13964
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13604
API Well Number: 608114035003	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10000 - 13810	Water Depth: 3868
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9925	DEF AT first sample examined	DEF AT
10180 /10102	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13810 /13459	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 379	<b>Date of Summary:</b> 07-JAN-2002	<b>First Sample Examined:</b> 6950
<b>Lease Number:</b> G22947	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14521
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14518
<b>API Well Number:</b> 608114031200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6950 - 14510	<b>Water Depth:</b> 3887
<b>Public Info Code:</b> Y 13-JAN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6950 / 6950	DEF AT first sample examined	DEF AT
9290 / 9289	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
12800 /12798	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14030 /14027	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14510 /14507	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 379	<b>Date of Summary:</b> 10-JAN-2002	<b>First Sample Examined:</b> 6950
<b>Lease Number:</b> G22947	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14521
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14518
<b>API Well Number:</b> 608114031200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6950 - 14510	<b>Water Depth:</b> 3887
<b>Public Info Code:</b> Y 13-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6950 / 6950	DEF AT first sample examined	DEF AT 4
9050 / 9049	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10250 /10248	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
14090 /14087	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14510 /14507	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 379	<b>Date of Summary:</b> 19-APR-2002	<b>First Sample Examined:</b> 10500
<b>Lease Number:</b> G22947	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15584
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15352
<b>API Well Number:</b> 608114031201	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10500 - 15500	<b>Water Depth:</b> 3887
<b>Public Info Code:</b> Y 07-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10498	DEF AT first sample examined	DEF AT 4
11040 /11031	DEF AT - - - - -	DEF AT 5
14570 /14376	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15500 /15270	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 379	<b>Date of Summary:</b> 19-APR-2002	<b>First Sample Examined:</b> 10500
<b>Lease Number:</b> G22947	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15584
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15352
<b>API Well Number:</b> 608114031201	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10500 - 15500	<b>Water Depth:</b> 3887
<b>Public Info Code:</b> Y 07-FEB-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10498	DEF AT first sample examined	DEF AT
10501 /10499	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13230 /13108	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14540 /14348	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15500 /15270	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 379	<b>Date of Summary:</b> 19-APR-2002	<b>First Sample Examined:</b> 15180
<b>Lease Number:</b> G22947	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15990
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15717
<b>API Well Number:</b> 608114031202	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15180 - 15980	<b>Water Depth:</b> 3887
<b>Public Info Code:</b> Y 09-MAR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15180 /14909	DEF AT first sample examined	DEF AT 5
15590 /15319	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15889 /15618	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
15890 /15619	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
15980 /15709	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 379	<b>Date of Summary:</b> 19-APR-2002	<b>First Sample Examined:</b> 15180
<b>Lease Number:</b> G22947	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15990
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15717
<b>API Well Number:</b> 608114031202	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15180 - 15980	<b>Water Depth:</b> 3887
<b>Public Info Code:</b> Y 09-MAR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15180 /14909	DEF AT first sample examined	DEF AT
15560 /15289	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15890 /15619	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15980 /15709	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 379	Date of Summary: 12-DEC-2002	First Sample Examined: 6530
Lease Number: G22947	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17687
API Well Number: 608114035000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6530 - 18020	Water Depth: 3887
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
6530 / 6530	DEF AT first sample examined	DEF AT 4
9200 / 9115	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
10070 / 9953	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
11810 /11620	DEF AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF AT 5
13940 /13662	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14900 /14608	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
14930 /14638	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
15710 /15417	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
15770 /15477	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
15830 /15537	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15890 /15597	DEF AT -----	DEF AT 5
16010 /15717	DEF AT salt	DEF AT 5
18020 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 379	Date of Summary: 12-DEC-2002	First Sample Examined: 6530
Lease Number: G22947	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17687
API Well Number: 608114035000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6530 - 18020	Water Depth: 3887
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, samples not analyzed from 17503 to 18020

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6530 / 6530	DEF AT first sample examined	DEF AT
9830 / 9721	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13280 /13028	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13940 /13662	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14930 /14638	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14940 /14648	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15380 /15087	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15440 /15147	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15740 /15447	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15800 /15507	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15890 /15597	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15980 /15687	DEF AT salt	DEF AT
17503 /17203	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 379	<b>Date of Summary:</b> 22-MAY-2003	<b>First Sample Examined:</b> 8700
<b>Lease Number:</b> G22947	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15759
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15586
<b>API Well Number:</b> 608114035001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8700 - 15700	<b>Water Depth:</b> 3868
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8700 / 8647	DEF AT first sample examined	DEF AT 4
9150 / 9087	POS AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
9630 / 9559	DEF AT - - - - -	DEF AT 5
10080 /10004	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
11910 /11824	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
14530 /14410	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15700 /15529	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 379	<b>Date of Summary:</b> 22-MAY-2003	<b>First Sample Examined:</b> 8730
<b>Lease Number:</b> G22947	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15759
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15586
<b>API Well Number:</b> 608114035001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8730 - 15700	<b>Water Depth:</b> 3868
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8730 / 8676	DEF AT first sample examined	DEF AT
10500 /10421	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13600 /13495	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14530 /14410	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15700 /15529	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 379	Date of Summary: 22-MAY-2003	First Sample Examined: 15700
Lease Number: G22947	Source of Paleo: OPERATOR	Borehole MD: 19350
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19026
API Well Number: 608114035002	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15700 - 19350	Water Depth: 3868
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15700 /15508	DEF AT first sample examined	DEF AT 5
16090 /15884	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
16180 /15971	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
16210 /16000	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
16450 /16231	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
17110 /16866	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
17140 /16895	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
17560 /17300	DEF AT - - - - -	DEF AT 6
18280 /17993	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
18610 /18311	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
19000 /18687	DEF AT anhydrite	DEF AT 6
19350 /19025	DEF AT last sample examined	DEF AT 6

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 379	Date of Summary: 22-MAY-2003	First Sample Examined: 15700
Lease Number: G22947	Source of Paleo: OPERATOR	Borehole MD: 19350
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19026
API Well Number: 608114035002	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 15700 - 19350	Water Depth: 3868
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15700 /15508	DEF AT first sample examined	DEF AT
16090 /15884	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16180 /15971	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16270 /16058	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16480 /16260	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17140 /16895	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
17650 /17387	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18280 /17993	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18610 /18311	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18880 /18572	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18940 /18629	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18970 /18658	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
19030 /18716	DEF AT salt	DEF AT
19350 /19025	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 380	Date of Summary: 30-JUL-2003	First Sample Examined: 11550
Lease Number: G22948	Source of Paleo: OPERATOR	Borehole MD: 26784
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26551
API Well Number: 608114037000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11550 - 26780	Water Depth: 3909
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11550 /11549	DEF AT first sample examined	DEF AT 5
12300 /12299	DEF AT - - - - -	DEF IN 5
12450 /12449	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
12780 /12779	DEF AT - - - - -	DEF AT 5
16130 /16129	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
18740 /18737	DEF AT local marker benthic foram increase	DEF AT 5
22800 /22695	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
22950 /22840	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
23760 /23625	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
23788 /23652	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
23789 /23653	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF AT 5
23790 /23654	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
23820 /23683	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
23847 /23709	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 5
23848 /23710	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
23849 /23711	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
23850 /23712	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
23910 /23770	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
24420 /24264	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
25860 /25659	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
25889 /25687	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
25890 /25688	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 380	<b>Date of Summary:</b> 30-JUL-2003	<b>First Sample Examined:</b> 11550
<b>Lease Number:</b> G22948	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26784
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26551
<b>API Well Number:</b> 608114037000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11550 - 26780	<b>Water Depth:</b> 3909
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26430 /26208	DEF AT -----	DEF AT 6
26670 /26441	DEF AT -----	DEF AT 5
26780 /26548	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 380	<b>Date of Summary:</b> 31-JUL-2003	<b>First Sample Examined:</b> 11550
<b>Lease Number:</b> G22948	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26784
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26551
<b>API Well Number:</b> 608114037000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11550 - 26780	<b>Water Depth:</b> 3909
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11550 /11549	DEF AT first sample examined	DEF AT
12210 /12209	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
16070 /16069	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
19010 /19006	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
21930 /21858	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
22230 /22146	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
22800 /22695	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
22950 /22840	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
23730 /23596	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
23790 /23654	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
23940 /23799	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
24000 /23858	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
24300 /24148	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
24420 /24264	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
25860 /25659	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
26700 /26470	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
26780 /26548	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 380	<b>Date of Summary:</b> 30-JUL-2003	<b>First Sample Examined:</b> 22980
<b>Lease Number:</b> G22948	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27835
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27570
<b>API Well Number:</b> 608114037001	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22980 - 27835	<b>Water Depth:</b> 3909
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22980 /22869	DEF AT first sample examined	DEF AT 5
23160 /23041	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
23730 /23585	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
23790 /23643	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
23819 /23670	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
23820 /23671	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
24360 /24190	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
25828 /25612	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
25829 /25613	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 6
25830 /25614	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
25950 /25731	DEF AT - - - - -	DEF AT 5
26490 /26256	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
26700 /26461	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
26760 /26520	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
26880 /26638	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
27180 /26931	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
27450 /27195	DEF AT - - - - -	DEF AT 5
27689 /27428	POS AT gouge	DEF AT 5
27690 /27429	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
27719 /27458	DEF AT salt	DEF AT 5
27720 /27459	DEF AT anhydrite	DEF AT 5
27835 /27571	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 380	Date of Summary: 31-JUL-2003	First Sample Examined: 22980
Lease Number: G22948	Source of Paleo: OPERATOR	Borehole MD: 27835
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27570
API Well Number: 608114037001	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 22980 - 27835	Water Depth: 3909
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22980 /22869	DEF AT first sample examined	DEF AT
22981 /22870	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
23790 /23643	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
23940 /23786	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
23970 /23815	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
24210 /24046	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
24330 /24161	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
25890 /25672	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
26460 /26226	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
26820 /26579	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
27090 /26843	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
27120 /26873	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
27210 /26961	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
27390 /27137	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
27450 /27195	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
27570 /27312	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
27659 /27399	DEF AT gouge	DEF AT
27660 /27400	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
27720 /27459	DEF AT salt	DEF AT
27835 /27571	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 385	<b>Date of Summary:</b> 04-MAY-2005	<b>First Sample Examined:</b> 6150
<b>Lease Number:</b> G25142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14400
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14300
<b>API Well Number:</b> 608114044201	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6150 - 14400	<b>Water Depth:</b> 3489
<b>Public Info Code:</b> Y 28-MAY-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6150 / 6150	DEF AT first sample examined	DEF AT 5
7950 / 7948	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8610 / 8608	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11160 /11158	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11490 /11488	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11970 /11968	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
13020 /12996	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13170 /13137	DEF AT -----	DEF IN 5
13380 /13335	DEF AT -----	DEF AT 5
13500 /13448	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13650 /13590	DEF AT -----	DEF IN 5
13678 /13616	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
13679 /13617	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
13680 /13618	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
13739 /13674	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
13740 /13675	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
13800 /13732	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
14010 /13930	DEF AT -----	DEF AT 5
14340 /14243	DEF AT -----	DEF AT 6
14400 /14300	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 385	<b>Date of Summary:</b> 04-MAY-2005	<b>First Sample Examined:</b> 6150
<b>Lease Number:</b> G25142	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14400
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14300
<b>API Well Number:</b> 608114044201	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6150 - 14400	<b>Water Depth:</b> 3489
<b>Public Info Code:</b> Y 28-MAY-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6150 / 6150	DEF AT first sample examined	DEF AT
7830 / 7828	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9870 / 9868	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11160 /11158	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11250 /11248	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11910 /11908	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12930 /12911	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13020 /12996	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13140 /13109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13260 /13222	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13380 /13335	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13530 /13477	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13710 /13647	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13739 /13674	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13740 /13675	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13800 /13732	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14027 /13946	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14400 /14300	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 389	Date of Summary: 26-MAR-2001	First Sample Examined: 6990
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 13925
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13922
API Well Number: 608114029400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 6990 - 13020	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6990 / 6990	DEF AT first sample examined	DEF AT 5
7470 / 7470	DEF AT -----	DEF AT 4
8910 / 8910	DEF AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF AT 4
9000 / 9000	DEF AT -----	DEF AT 5
9210 / 9210	DEF AT -----	DEF AT 4
9570 / 9569	DEF AT local marker planktic foram increase	DEF AT 4
9660 / 9659	DEF AT reworked material	DEF AT 4
9900 / 9899	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 3
9930 / 9929	DEF AT -----	DEF AT 4
11280 /11279	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
11310 /11309	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11340 /11339	DEF AT -----	DEF AT 4
11850 /11849	DEF AT gypsum	DEF AT 4
12120 /12119	DEF AT -----	DEF AT 4
12810 /12808	DEF AT oxidized shale	DEF AT 4
12840 /12838	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
12900 /12898	DEF AT -----	DEF AT 4
13019 /13017	DEF AT reworked material	POS AT 4
13020 /13018	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 389	Date of Summary: 01-JUL-2001	First Sample Examined: 6990
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 13925
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13922
API Well Number: 608114029400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6990 - 13925	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 6990	DEF AT first sample examined	DEF AT
6991 / 6991	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9780 / 9779	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
11280 /11279	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11370 /11369	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12899 /12897	POS AT Upper Cretaceous Maastrichtian Stage	DEF AT
12900 /12898	DEF AT reworked material	DEF AT
13020 /13018	POS AT Upper Cretaceous Campanian Stage	DEF AT
13740 /13737	DEF AT sample gap top	DEF AT
13924 /13921	DEF AT sample gap bottom	DEF AT
13925 /13922	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 389	Date of Summary: 21-MAY-2001	First Sample Examined: 18390
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 20508
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20502
API Well Number: 608114029401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 18390 - 20500	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18390 /18384	DEF AT first sample examined	POS AT 5
18391 /18385	DEF IN salt	POS AT 5
18660 /18654	DEF AT sample gap top	POS AT 5
18750 /18744	DEF AT sample gap bottom	POS AT 5
18940 /18934	DEF AT out-of-place section	DEF AT 5
19350 /19344	DEF AT transported shelf fauna	DEF AT 5
19409 /19403	DEF AT transported outer shelf facies	POS AT 5
19410 /19404	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 5
19470 /19464	DEF AT transported shelf fauna	POS AT 5
19560 /19554	DEF AT transported outer shelf facies	POS AT 4
19650 /19644	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
19690 /19684	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
20070 /20064	DEF AT local marker planktic foram increase	DEF AT 4
20160 /20154	DEF AT local marker planktic foram increase	DEF AT 4
20340 /20334	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20490 /20484	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 389	<b>Date of Summary:</b> 01-JUL-2001	<b>First Sample Examined:</b> 18390
<b>Lease Number:</b> G21794	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20508
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 20502
<b>API Well Number:</b> 608114029401	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18390 - 20500	<b>Water Depth:</b> 3594
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, most of the samples are described as mixed assemblages of Miocene to Late Cretaceous age, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18940 /18934	DEF AT out-of-place section	DEF AT
18970 /18964	DEF AT out-of-place section	DEF AT
19020 /19014	DEF AT out-of-place section	DEF AT
19140 /19134	DEF AT out-of-place section	DEF AT
19260 /19254	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19319 /19313	DEF AT out-of-place section	DEF AT
19350 /19344	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19410 /19404	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19440 /19434	DEF AT out-of-place section	DEF AT
19710 /19704	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19740 /19734	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 389	<b>Date of Summary:</b> 17-JUL-2001	<b>First Sample Examined:</b> 19039
<b>Lease Number:</b> G21794	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26677
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 25999
<b>API Well Number:</b> 608114029402	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19039 - 26677	<b>Water Depth:</b> 3594
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19039 /18916	DEF AT first sample examined	DEF AT 4
19070 /18947	DEF AT transported shelf fauna	POS AT 4
19085 /18962	DEF AT -----	DEF AT 4
19100 /18977	DEF AT transported outer shelf facies	POS AT 4
19115 /18991	DEF AT -----	DEF AT 4
19220 /19095	POS AT local marker planktic foram increase	DEF AT 4
19340 /19213	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
19580 /19451	DEF AT transported shelf fauna	POS AT 4
19610 /19481	DEF AT -----	DEF AT 4
19670 /19541	DEF AT -----	DEF IN 3
19700 /19570	DEF AT -----	DEF AT 4
19730 /19600	DEF AT -----	DEF IN 3
19760 /19630	DEF AT -----	DEF AT 4
19820 /19690	DEF AT transported shelf fauna	POS AT 4
19850 /19719	DEF AT -----	DEF AT 4
20030 /19898	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
20120 /19987	DEF AT reworked material	DEF AT 4
20240 /20106	DEF AT local marker planktic foram increase	DEF AT 4
20360 /20224	DEF AT transported shelf fauna	POS AT 4
20450 /20313	DEF AT -----	DEF AT 4
20510 /20372	DEF AT Cyclammia sp. (local marker)	DEF AT 4
20540 /20402	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 389	Date of Summary: 17-JUL-2001	First Sample Examined: 19039
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 26677
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25999
API Well Number: 608114029402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 19039 - 26677	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20600 /20461	DEF AT -----	DEF AT 4
20690 /20550	DEF AT transported shelf fauna	POS AT 4
20720 /20579	DEF AT -----	DEF AT 4
20810 /20668	DEF AT transported shelf fauna	POS AT 4
20840 /20697	DEF AT -----	DEF AT 4
20958 /20813	DEF AT -----	DEF IN 3
20990 /20845	DEF AT -----	DEF AT 4
21140 /20992	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
21350 /21198	DEF AT Bathysiphon fauna	DEF AT 4
21380 /21227	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
21500 /21343	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21590 /21429	DEF AT -----	DEF AT 5
21600 /21438	DEF AT -----	DEF AT 4
21650 /21486	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22970 /22710	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23090 /22819	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
23180 /22900	DEF AT local marker foram decrease	DEF AT 4
23450 /23143	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
23660 /23330	DEF AT transported shelf fauna	POS AT 4
24170 /23778	DEF AT transported outer shelf facies	POS AT 4
24230 /23831	DEF AT local marker foram increase	POS AT 4
24260 /23858	DEF AT -----	DEF AT 4
24290 /23884	DEF AT -----	DEF AT 5
24490 /24061	DEF AT Arenaceous fauna (local marker)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 389	<b>Date of Summary:</b> 17-JUL-2001	<b>First Sample Examined:</b> 19039
<b>Lease Number:</b> G21794	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26677
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 25999
<b>API Well Number:</b> 608114029402	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19039 - 26677	<b>Water Depth:</b> 3594
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24770 /24308	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
24830 /24361	DEF AT - - - - -	DEF AT 4
24920 /24441	DEF AT Bathysiphon fauna	DEF AT 4
25490 /24944	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
25820 /25236	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
26480 /25823	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26667 /25990	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 389	Date of Summary: 01-OCT-2001	First Sample Examined: 19070
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 26677
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25999
API Well Number: 608114029402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 19070 - 26677	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19070 /18947	DEF AT first sample examined	DEF AT
19250 /19125	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20420 /20283	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20709 /20568	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22670 /22436	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23030 /22765	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
23600 /23276	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23620 /23294	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
25490 /24944	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
25820 /25236	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26390 /25743	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26677 /25999	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 11-MAR-2012	First Sample Examined: 5782
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 19094
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 18569
API Well Number: 608114058300	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 5782 - 19094	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Kilchurn Prospect, calcareous nannofossil report, stratigraphic breaks noted at 13320' and 13650', nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5782 / 5782	DEF AT first sample examined	DEF AT
5783 / 5783	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
5848 / 5848	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
5849 / 5849	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
5850 / 5850	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6120 / 6120	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6150 / 6150	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
6270 / 6270	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6330 / 6330	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
6389 / 6389	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
6390 / 6390	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
6530 / 6530	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6675 / 6675	DEF AT salt	DEF AT
12100 /12100	DEF IN Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
12125 /12125	DEF AT base of salt	DEF AT
12430 /12430	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12490 /12490	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12610 /12610	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12700 /12700	POS AT reworked material	DEF AT
12868 /12868	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12869 /12869	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 11-MAR-2012	First Sample Examined: 5782
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 19094
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 18569
API Well Number: 608114058300	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 5782 - 19094	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12870 /12870	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
12960 /12960	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13319 /13319	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13320 /13320	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
13558 /13558	DEF AT unconformity	DEF AT
13559 /13559	DEF IN Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT
13560 /13560	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13590 /13590	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
13649 /13649	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13650 /13650	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
13770 /13770	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14217 /14217	DEF AT unconformity	DEF AT
14218 /14218	DEF AT floral flood	DEF AT
14219 /14219	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14220 /14220	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14300 /14300	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15248 /15237	DEF AT Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT
15249 /15238	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15250 /15239	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
16500 /16380	DEF AT local marker floral increase	DEF AT
17250 /17012	DEF AT local marker floral increase	DEF AT
17720 /17406	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19038 /18522	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19094 /18569	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 29-MAY-2012	First Sample Examined: 12100
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 19094
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18569
API Well Number: 608114058300	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 12100 - 19094	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Kilchurn Prospect, the well appears to have penetrated a greatly expanded or repeated Upper Miocene section to TD with Older Upper Miocene seen in the top from 12100' to 13560' and younger Upper expanded Miocene from 13560' to TD, foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12100 /12100	DEF AT first sample examined	DEF IN 5
12101 /12101	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12129 /12129	DEF AT pyrite	DEF IN 5
12130 /12130	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
12370 /12370	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 5
12429 /12429	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 5
12430 /12430	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
12550 /12550	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
12610 /12610	DEF AT - - - - -	DEF AT 6
12700 /12700	DEF AT - - - - -	DEF AT 5
12730 /12730	POS AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 5
12810 /12810	DEF AT cement	DEF AT 5
12840 /12840	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
13050 /13050	DEF AT pyrite	DEF AT 5
13260 /13260	DEF AT pyrite	DEF AT 5
13380 /13380	DEF AT sand	DEF AT 5
13439 /13439	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
13440 /13440	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 5
13500 /13500	DEF AT - - - - -	POS AT 6
13560 /13560	DEF AT pyrite	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404  
Lease Number: G28076  
Well Name: SS001  
API Well Number: 608114058300  
Paleo Report Num: 2 of 2  
Public Info Code: Y 17-NOV-2016

Date of Summary: 29-MAY-2012  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: STATOIL USA E&P INC.  
Sample Range: 12100 - 19094  
Ecozone Eq MMS: Y

First Sample Examined: 12100  
Borehole MD: 19094  
Borehole TVD: 18569  
Rkb Elevation: 106  
Water Depth: 3146  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13589 /13589	DEF AT pyrite	POS AT 6
13590 /13590	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 6
13740 /13740	DEF AT local marker foram decrease	POS AT 6
13920 /13920	DEF AT sand	POS AT 6
14190 /14190	DEF AT -----	DEF AT 5
14220 /14220	DEF AT local marker benthic foram increase	DEF AT 6
14300 /14300	DEF AT -----	POS AT 5
14330 /14330	DEF AT sand	POS AT 5
14360 /14360	DEF AT -----	DEF AT 6
14403 /14403	DEF AT cement	POS AT 6
14459 /14459	DEF AT transported shelf fauna	POS AT 6
14460 /14460	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	POS AT 6
14590 /14590	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 6
14710 /14709	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	POS AT 6
14740 /14739	DEF AT -----	POS AT 6
14800 /14799	DEF AT -----	POS AT 5
14890 /14888	DEF AT sand	POS AT 5
14980 /14977	DEF AT -----	POS AT 6
15040 /15036	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	POS AT 5
15070 /15065	DEF AT sand	POS AT 5
15219 /15209	DEF AT local marker benthic foram increase	DEF AT 6
15220 /15210	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 6
15250 /15239	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
15280 /15268	DEF AT sand	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 29-MAY-2012	First Sample Examined: 12100
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 19094
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18569
API Well Number: 608114058300	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 12100 - 19094	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15340 /15325	DEF AT pyrite	DEF AT 6
15370 /15353	DEF AT local marker planktic foram increase	DEF AT 6
15400 /15381	DEF AT pyrite	DEF AT 6
15459 /15437	DEF AT local marker planktic foram increase	DEF AT 6
15460 /15438	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
15550 /15521	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15580 /15549	DEF AT pyrite	DEF AT 6
15610 /15577	DEF AT -----	DEF AT 5
15640 /15605	DEF AT local marker planktic foram increase	DEF AT 5
15730 /15687	DEF AT sand	DEF AT 5
15759 /15713	DEF AT transported shelf fauna	DEF AT 5
15760 /15714	DEF AT local marker benthic foram increase	DEF AT 5
15880 /15824	DEF AT -----	POS AT 5
15910 /15851	DEF AT sand	POS AT 5
16120 /16042	DEF AT sand	POS AT 5
16350 /16248	DEF AT local marker planktic foram increase	DEF IN 5
16380 /16275	DEF AT -----	POS AT 6
16410 /16301	DEF AT -----	POS AT 5
16470 /16354	DEF AT -----	DEF IN 5
16499 /16379	DEF AT foram flood	DEF AT 6
16500 /16380	DEF AT local marker planktic foram increase	DEF AT 6
16530 /16406	DEF AT -----	DEF IN 5
16560 /16432	DEF AT pyrite	POS IN 5
16620 /16483	DEF AT local marker planktic foram increase	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 29-MAY-2012	First Sample Examined: 12100
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 19094
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18569
API Well Number: 608114058300	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 12100 - 19094	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16650 /16508	DEF AT -----	DEF AT 5
16670 /16525	DEF AT -----	POS AT 5
16700 /16551	DEF AT pyrite	POS AT 5
16730 /16576	DEF AT -----	POS AT 5
16760 /16601	DEF AT -----	POS AT 6
16790 /16627	DEF AT -----	POS AT 5
16850 /16677	DEF AT pyrite	POS AT 5
16910 /16727	DEF AT -----	POS AT 6
17000 /16803	DEF AT -----	POS AT 5
17030 /16828	DEF AT sand	POS AT 5
17270 /17029	DEF AT -----	POS IN 5
17300 /17054	DEF AT -----	DEF AT 6
17329 /17078	DEF AT local marker benthic foram increase	DEF AT 6
17330 /17079	DEF AT Arenaceous fauna (local marker)	DEF AT 6
17360 /17104	DEF AT pyrite	POS AT 6
17390 /17129	DEF AT -----	DEF AT 5
17480 /17204	DEF AT sand	DEF AT 5
17510 /17229	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
17560 /17271	DEF AT local marker benthic foram increase	DEF AT 5
17570 /17280	DEF AT pyrite	DEF AT 5
17750 /17431	DEF AT sand	DEF AT 5
17870 /17531	DEF AT -----	DEF IN 4
17959 /17605	DEF AT transported shelf fauna	DEF AT 6
17960 /17606	DEF AT local marker benthic foram increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404  
Lease Number: G28076  
Well Name: SS001  
API Well Number: 608114058300  
Paleo Report Num: 2 of 2  
Public Info Code: Y 17-NOV-2016

Date of Summary: 29-MAY-2012  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: STATOIL USA E&P INC.  
Sample Range: 12100 - 19094  
Ecozone Eq MMS: Y

First Sample Examined: 12100  
Borehole MD: 19094  
Borehole TVD: 18569  
Rkb Elevation: 106  
Water Depth: 3146  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17990 /17631	DEF AT -----	POS AT 6
18020 /17656	DEF AT -----	POS AT 5
18080 /17706	DEF AT local white Arenacous fauna	POS AT 5
18110 /17731	DEF AT -----	POS AT 4
18290 /17884	DEF AT -----	POS AT 6
18320 /17909	DEF AT -----	POS AT 5
18350 /17935	DEF AT -----	POS AT 4
18410 /17986	DEF AT sand	POS AT 4
18440 /18012	DEF AT -----	POS IN 5
18570 /18123	DEF AT sand	POS AT 6
18670 /18208	DEF AT -----	POS AT 5
18730 /18260	POS AT Upper Miocene (Messinian) Textularia tatumi	POS AT 5
18760 /18285	DEF AT -----	DEF AT 6
18790 /18311	DEF AT local marker planktic foram increase	DEF AT 6
18820 /18336	DEF AT -----	POS AT 5
18880 /18388	DEF AT sand	POS AT 5
18940 /18439	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
18999 /18489	DEF AT local marker planktic foram increase	DEF AT 6
19000 /18489	POS AT foram flood	DEF AT 6
19030 /18515	DEF AT sand	DEF AT 6
19059 /18540	DEF AT pyrite	DEF AT 6
19060 /18540	DEF AT local marker planktic foram increase	DEF AT 6
19070 /18549	DEF AT -----	POS AT 6
19094 /18569	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 05-MAY-2012	First Sample Examined: 13680
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 22701
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 21902
API Well Number: 608114058301	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 13680 - 22701	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Kilchurn Prospect, calcareous nannofossil report, stratigraphic breaks noted at 20390' and 22220', nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13680 /13680	DEF AT first sample examined	DEF AT
13681 /13681	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13682 /13682	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14188 /14182	DEF AT floral flood	DEF AT
14189 /14183	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14190 /14184	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14250 /14243	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14920 /14907	DEF AT local marker floral increase	DEF AT
15289 /15270	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15388 /15367	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15390 /15369	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
16420 /16370	DEF AT local marker floral increase	DEF AT
17450 /17256	DEF AT local marker floral increase	DEF AT
17700 /17468	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18970 /18544	DEF AT local marker floral increase	DEF AT
19220 /18757	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19360 /18876	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19510 /19004	DEF AT local marker floral increase	DEF AT
20080 /19486	DEF AT local marker floral increase	DEF AT
20200 /19588	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20388 /19753	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 404	<b>Date of Summary:</b> 05-MAY-2012	<b>First Sample Examined:</b> 13680
<b>Lease Number:</b> G28076	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22701
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21902
<b>API Well Number:</b> 608114058301	<b>Drilling Operator:</b> STATOIL USA E&P INC.	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13680 - 22701	<b>Water Depth:</b> 3146
<b>Public Info Code:</b> Y 17-NOV-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20389 /19753	DEF IN Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
20390 /19754	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20510 /19862	DEF AT local marker floral increase	DEF AT
21020 /20335	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22219 /21452	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22220 /21453	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22701 /21902	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404  
Lease Number: G28076  
Well Name: SS001  
API Well Number: 608114058301  
Paleo Report Num: 2 of 2  
Public Info Code: Y 17-NOV-2016

Date of Summary: 01-JUN-2012  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: STATOIL USA E&P INC.  
Sample Range: 13657 - 22701  
Ecozone Eq MMS: Y

First Sample Examined: 13657  
Borehole MD: 22701  
Borehole TVD: 21902  
Rkb Elevation: 106  
Water Depth: 3146  
Paleo ID: 002

Remark: Kilchurn Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13657 /13657	DEF AT first sample examined	DEF IN 5
13950 /13948	DEF AT -----	DEF IN 6
14250 /14243	DEF AT -----	DEF AT 6
15060 /15045	DEF AT -----	DEF AT 5
15420 /15399	DEF AT -----	POS AT 6
15510 /15487	DEF AT -----	DEF IN 5
15539 /15516	DEF AT pyrite	DEF IN 5
15540 /15517	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
16390 /16342	DEF AT -----	DEF AT 6
16420 /16370	DEF AT -----	DEF AT 5
16480 /16425	DEF AT -----	POS AT 6
16510 /16452	DEF AT -----	POS AT 5
16540 /16479	DEF AT -----	DEF AT 6
16570 /16506	DEF AT -----	DEF AT 5
16600 /16533	DEF AT -----	DEF AT 6
16840 /16739	DEF AT -----	POS AT 5
16870 /16765	DEF AT -----	DEF AT 5
17939 /17671	DEF AT pyrite	DEF AT 5
17940 /17672	POS AT local marker planktic foram increase	DEF AT 5
18420 /18078	DEF AT -----	POS AT 6
18740 /18350	DEF AT -----	DEF AT 5
18940 /18519	DEF AT -----	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404  
Lease Number: G28076  
Well Name: SS001  
API Well Number: 608114058301  
Paleo Report Num: 2 of 2  
Public Info Code: Y 17-NOV-2016

Date of Summary: 01-JUN-2012  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: STATOIL USA E&P INC.  
Sample Range: 13657 - 22701  
Ecozone Eq MMS: Y

First Sample Examined: 13657  
Borehole MD: 22701  
Borehole TVD: 21902  
Rkb Elevation: 106  
Water Depth: 3146  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19160 /18706	DEF AT -----	DEF AT 6
19220 /18757	DEF AT -----	DEF AT 5
19509 /19003	DEF AT local marker planktic foram increase	DEF AT 5
19510 /19004	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20050 /19461	DEF AT -----	DEF AT 5
20198 /19586	DEF AT pyrite	DEF AT 5
20199 /19587	DEF AT local white Arenaceous fauna	DEF AT 5
20200 /19588	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
20690 /20027	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20750 /20082	POS AT transported shelf fauna	POS AT 5
20960 /20279	DEF AT -----	DEF AT 4
20990 /20307	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21080 /20391	DEF AT -----	POS AT 5
21300 /20596	DEF AT pyrite	POS AT 4
21350 /20642	DEF AT -----	POS AT 5
21500 /20782	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	POS AT 5
21558 /20836	DEF AT pyrite	POS AT 5
21559 /20837	DEF AT Arenaceous fauna (local marker)	POS AT 5
21560 /20838	DEF AT local marker planktic foram increase	POS AT 5
21590 /20866	DEF AT pyrite	POS AT 5
21680 /20950	DEF AT -----	POS AT 4
21710 /20978	DEF AT pyrite	POS AT 4
22060 /21304	DEF AT -----	POS AT 5
22120 /21360	DEF AT -----	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 01-JUN-2012	First Sample Examined: 13657
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 22701
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 21902
API Well Number: 608114058301	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 13657 - 22701	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22150 /21388	POS AT Upper Miocene (Tortonian) Uvigerina 3	POS AT 4
22190 /21425	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
22220 /21453	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS AT 6
22239 /21471	DEF AT local marker planktic foram increase	DEF IN 6
22240 /21472	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 6
22249 /21480	DEF AT local marker planktic foram increase	DEF IN 6
22250 /21481	DEF AT foram flood	DEF IN 6
22270 /21500	DEF AT - - - - -	POS AT 6
22300 /21528	DEF AT local marker foram decrease	POS AT 6
22400 /21621	POS AT Arenaceous fauna (local marker)	POS AT 6
22450 /21668	DEF AT pyrite	POS AT 6
22540 /21752	DEF AT - - - - -	DEF AT 5
22570 /21780	DEF AT Arenaceous fauna (local marker)	DEF AT 5
22600 /21808	DEF AT pyrite	DEF AT 5
22630 /21836	DEF AT - - - - -	POS AT 5
22690 /21892	DEF AT - - - - -	DEF AT 5
22701 /21902	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 31-MAY-2012	First Sample Examined: 13530
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 23848
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 23378
API Well Number: 608114058302	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 13530 - 23848	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Kilchurn Prospect, calcareous nannofossil report, stratigraphic break noted at 23720', nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13530 /13529	DEF AT first sample examined	DEF AT
13949 /13946	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13950 /13947	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14010 /14007	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14239 /14234	DEF AT floral flood	DEF AT
14240 /14235	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14360 /14354	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15648 /15630	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15649 /15630	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15650 /15631	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
18230 /18197	DEF AT local marker floral increase	DEF AT
18470 /18437	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20230 /20196	POS AT local marker floral increase	DEF AT
20660 /20625	DEF AT local marker floral increase	DEF AT
20750 /20714	DEF AT local marker floral increase	DEF AT
20780 /20743	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20960 /20919	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21140 /21093	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
22070 /21920	DEF AT local marker floral increase	DEF AT
22790 /22511	DEF AT local marker floral increase	DEF AT
23270 /22904	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 404	<b>Date of Summary:</b> 31-MAY-2012	<b>First Sample Examined:</b> 13530
<b>Lease Number:</b> G28076	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23848
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23378
<b>API Well Number:</b> 608114058302	<b>Drilling Operator:</b> STATOIL USA E&P INC.	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13530 - 23848	<b>Water Depth:</b> 3146
<b>Public Info Code:</b> Y 17-NOV-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23718 /23271	DEF IN Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
23719 /23272	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
23720 /23273	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
23848 /23378	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404	Date of Summary: 01-JUL-2012	First Sample Examined: 13375
Lease Number: G28076	Source of Paleo: OPERATOR	Borehole MD: 23848
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23378
API Well Number: 608114058302	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 13375 - 23848	Water Depth: 3146
Public Info Code: Y 17-NOV-2016	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Kilchurn Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13375 /13375	DEF AT first sample examined	POS AT 4
13400 /13399	POS AT reworked material	POS AT 4
13425 /13424	DEF AT sand	POS AT 5
13460 /13459	DEF AT pyrite	POS AT 6
13500 /13499	DEF AT reworked material	POS AT 6
13590 /13589	DEF AT pyrite	POS IN 5
13860 /13858	DEF AT pyrite	POS AT 5
14210 /14205	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 6
14689 /14680	DEF AT transported shelf fauna	DEF IN 6
14690 /14681	DEF AT local marker benthic foram increase	DEF IN 6
14840 /14829	DEF AT transported shelf fauna	POS AT 5
15110 /15097	DEF IN sand	DEF AT 5
15170 /15156	DEF AT -----	POS AT 5
15350 /15334	DEF AT -----	POS AT 6
15410 /15394	DEF AT pyrite	POS AT 6
15530 /15513	DEF AT -----	DEF AT 5
15560 /15542	DEF AT reworked material	DEF AT 5
15590 /15572	DEF AT pyrite	DEF AT 5
15860 /15839	DEF AT reworked material	POS AT 6
15920 /15899	DEF AT local marker planktic foram increase	POS AT 6
15980 /15958	DEF AT -----	DEF AT 5
16100 /16077	DEF AT -----	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404  
 Lease Number: G28076  
 Well Name: SS001  
 API Well Number: 608114058302  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 17-NOV-2016

Date of Summary: 01-JUL-2012  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: STATOIL USA E&P INC.  
 Sample Range: 13375 - 23848  
 Ecozone Eq MMS: Y

First Sample Examined: 13375  
 Borehole MD: 23848  
 Borehole TVD: 23378  
 Rkb Elevation: 106  
 Water Depth: 3146  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16190 /16166	DEF AT reworked material	POS AT 5
16729 /16700	DEF AT foram flood	POS AT 6
16730 /16701	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 6
16790 /16760	DEF AT pyrite	DEF AT 5
17059 /17027	DEF AT foram flood	DEF AT 5
17060 /17028	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
17660 /17627	DEF AT pyrite	DEF AT 5
18200 /18167	DEF AT - - - - -	POS AT 6
18290 /18257	DEF AT pyrite	DEF AT 5
18320 /18287	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
18530 /18497	DEF AT pyrite	DEF AT 5
18950 /18917	DEF AT pyrite	DEF AT 5
19250 /19217	POS AT local marker planktic foram increase	DEF AT 5
19750 /19717	DEF AT cement	DEF AT 5
19943 /19910	POS AT Upper Miocene (Messinian) Textularia tatumi	POS AT 5
19944 /19911	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	POS AT 5
20110 /20077	DEF AT local marker planktic foram increase	POS AT 5
20210 /20176	DEF AT - - - - -	DEF AT 5
20660 /20625	DEF AT - - - - -	DEF AT 6
20690 /20654	DEF AT local marker planktic foram increase	DEF AT 6
20749 /20713	DEF AT pyrite	DEF AT 6
20750 /20714	DEF AT foram flood	DEF AT 6
20800 /20763	DEF AT sand	DEF AT 5
21139 /21092	DEF AT foram flood	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 404  
Lease Number: G28076  
Well Name: SS001  
API Well Number: 608114058302  
Paleo Report Num: 2 of 2  
Public Info Code: Y 17-NOV-2016

Date of Summary: 01-JUL-2012  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: STATOIL USA E&P INC.  
Sample Range: 13375 - 23848  
Ecozone Eq MMS: Y

First Sample Examined: 13375  
Borehole MD: 23848  
Borehole TVD: 23378  
Rkb Elevation: 106  
Water Depth: 3146  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21140 /21093	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
21410 /21347	DEF AT pyrite	DEF AT 5
21499 /21429	DEF AT pyrite	DEF AT 5
21500 /21430	DEF AT local marker planktic foram increase	DEF AT 5
21740 /21642	DEF AT sand	DEF IN 4
22010 /21871	DEF AT local marker planktic foram increase	POS IN 6
22040 /21895	DEF AT - - - - -	DEF AT 5
22130 /21969	DEF AT foram flood	DEF AT 5
22220 /22043	DEF AT pyrite	DEF AT 5
22280 /22092	DEF AT - - - - -	POS IN 5
22310 /22117	DEF AT sand	DEF IN 5
22520 /22289	DEF AT pyrite	DEF IN 5
22789 /22510	DEF AT pyrite	POS IN 5
22790 /22511	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	POS IN 5
22820 /22535	DEF AT pyrite	POS IN 5
22970 /22658	DEF AT - - - - -	POS AT 5
23239 /22879	DEF AT Arenaceous fauna (local marker)	POS AT 5
23240 /22880	DEF AT local marker planktic foram increase	POS AT 5
23270 /22904	DEF AT pyrite	POS AT 5
23390 /23002	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 5
23420 /23027	DEF AT pyrite	POS AT 5
23810 /23347	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 5
23840 /23371	DEF AT - - - - -	POS AT 6
23848 /23378	DEF AT last sample examined	POS AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 415	Date of Summary: 17-DEC-1999	First Sample Examined: 6110
Lease Number: G09931	Source of Paleo: OPERATOR	Borehole MD: 23867
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23734
API Well Number: 608114025800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 6110 - 23867	Water Depth: 2802
Public Info Code: Y 25-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** McKinley Prospect, company-integrated foram and nanno report, 10340=top of salt 1, 13688=base of salt 1, 18040=salt 2, 19700=base of salt 2, 15860=discontinuity in biostrat data? - in Amaurolithus amplificus, sections between salts #1 and below salt #2 are complex and may represent steeply-dipping, thrust (repeated), and/or partially overturned? Sequences

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6110 / 6110	DEF AT first sample examined	DEF AT
6111 / 6111	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
6710 / 6710	DEF AT -----	DEF AT 3
6830 / 6830	DEF AT -----	DEF IN 4
8840 / 8840	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
9410 / 9410	DEF AT -----	DEF AT 4
9590 / 9589	DEF AT -----	DEF AT 3
9650 / 9649	DEF AT -----	DEF AT 4
9710 / 9709	DEF AT -----	DEF AT 3
9800 / 9799	DEF AT -----	DEF IN 4
9860 / 9859	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
9890 / 9889	DEF AT -----	DEF IN 4
9948 / 9947	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
9949 / 9948	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
9950 / 9949	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
10040 /10039	DEF AT -----	DEF AT 4
10070 /10069	DEF AT -----	DEF IN 4
10100 /10099	DEF AT -----	DEF AT 4
10190 /10189	DEF AT -----	DEF AT 3
10200 /10199	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 415  
Lease Number: G09931  
Well Name: 001  
API Well Number: 608114025800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 25-APR-2000

Date of Summary: 17-DEC-1999  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 6110 - 23867  
Ecozone Eq MMS: Y

First Sample Examined: 6110  
Borehole MD: 23867  
Borehole TVD: 23734  
Rkb Elevation: 82  
Water Depth: 2802  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10220 /10219	DEF AT -----	DEF AT 3
10230 /10229	DEF AT -----	DEF IN 4
10270 /10269	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
10277 /10276	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10278 /10277	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10279 /10278	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
10280 /10279	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
10294 /10293	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10310 /10309	DEF AT gouge	POS AT 3
10340 /10339	DEF AT salt	DEF AT
13670 /13633	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13688 /13651	DEF AT base of salt	DEF AT
13699 /13662	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 4
13700 /13662	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
13760 /13721	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4
13880 /13838	DEF AT -----	DEF AT 4
13940 /13896	DEF AT -----	DEF IN 4
14000 /13955	DEF AT -----	DEF AT 4
14120 /14072	DEF AT -----	DEF AT 5
14180 /14131	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
14360 /14307	DEF AT -----	DEF AT 4
14420 /14365	DEF AT -----	DEF AT 3
14540 /14483	DEF AT -----	DEF IN 4
14592 /14534	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 415  
Lease Number: G09931  
Well Name: 001  
API Well Number: 608114025800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 25-APR-2000

Date of Summary: 17-DEC-1999  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 6110 - 23867  
Ecozone Eq MMS: Y

First Sample Examined: 6110  
Borehole MD: 23867  
Borehole TVD: 23734  
Rkb Elevation: 82  
Water Depth: 2802  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14660 /14600	DEF AT -----	DEF IN 4
14930 /14866	DEF AT -----	DEF AT 3
14995 /14930	DEF AT -----	DEF AT 4
15170 /15103	DEF AT -----	DEF AT 3
15230 /15162	DEF AT -----	DEF AT 4
15470 /15399	DEF AT -----	DEF AT 3
15830 /15755	DEF AT -----	DEF AT 4
15860 /15785	DEF IN Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
15890 /15815	DEF AT -----	DEF IN 4
16190 /16112	DEF AT -----	DEF AT 5
16610 /16529	DEF AT -----	DEF AT 4
16760 /16677	DEF AT -----	DEF IN 4
16790 /16707	DEF AT -----	DEF AT 5
16820 /16737	DEF AT -----	DEF AT 4
16880 /16797	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
16940 /16856	DEF AT transported outer shelf facies	POS IN 4
16970 /16886	DEF AT -----	DEF AT 5
17030 /16946	DEF AT -----	DEF AT 4
17120 /17035	DEF AT -----	DEF IN 4
17180 /17095	DEF AT -----	DEF AT 5
17210 /17124	DEF AT -----	DEF IN 4
17240 /17154	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF IN 4
18240 /18148	DEF AT salt	DEF IN 4
19700 /19602	DEF AT base of salt	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 415  
Lease Number: G09931  
Well Name: 001  
API Well Number: 608114025800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 25-APR-2000

Date of Summary: 17-DEC-1999  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 6110 - 23867  
Ecozone Eq MMS: Y

First Sample Examined: 6110  
Borehole MD: 23867  
Borehole TVD: 23734  
Rkb Elevation: 82  
Water Depth: 2802  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19790 /19691	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 4
20330 /20229	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
20720 /20618	DEF AT -----	DEF AT 5
20780 /20677	DEF AT -----	DEF AT 4
20840 /20737	DEF AT -----	DEF AT 3
20900 /20797	DEF AT -----	DEF AT 4
20960 /20857	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
21170 /21066	DEF AT -----	DEF AT 4
21560 /21455	DEF AT -----	DEF AT 3
21620 /21515	DEF AT cement	POS AT 3
21710 /21605	DEF AT -----	DEF AT 4
22940 /22821	DEF AT -----	DEF AT 5
23060 /22939	DEF AT -----	DEF IN 4
23120 /22999	DEF AT -----	DEF AT 4
23210 /23087	DEF AT -----	DEF AT 5
23240 /23117	DEF AT -----	DEF AT 4
23270 /23146	DEF AT -----	DEF IN 4
23480 /23353	DEF AT -----	DEF AT 4
23660 /23530	DEF AT -----	DEF IN 4
23867 /23734	DEF AT last sample examined	DEF IN 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 434  
 Lease Number: G21207  
 Well Name: 001  
 API Well Number: 608114044600  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 30-JUN-2009

Date of Summary: 21-DEC-2005  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 24520 - 31196  
 Ecozone Eq MMS: Y

First Sample Examined: 24520  
 Borehole MD: 31196  
 Borehole TVD: 30362  
 Rkb Elevation: 75  
 Water Depth: 3448  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
24520 /24520	DEF AT first sample examined	POS	AT	4
25120 /25120	DEF AT out-of-place section	DEF	AT	4
25179 /25179	DEF AT turbid water facies	POS	AT	4
25180 /25180	DEF AT Bathysiphon fauna	POS	AT	4
25209 /25209	DEF AT turbid water facies	POS	AT	4
25210 /25210	DEF AT Bathysiphon fauna	POS	AT	4
25300 /25300	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS	AT	4
25390 /25390	DEF AT turbid water facies	POS	AT	4
25420 /25420	DEF AT Bathysiphon fauna	POS	AT	4
25780 /25779	DEF AT turbid water facies	POS	AT	4
25960 /25958	DEF AT local marker benthic foram increase	DEF	IN	3
26169 /26163	DEF AT turbid water facies	POS	IN	3
26170 /26164	DEF AT Arenaceous fauna (local marker)	POS	IN	3
26199 /26193	DEF AT turbid water facies	DEF	AT	4
26200 /26193	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
26230 /26223	DEF AT local marker benthic foram increase	DEF	AT	4
26320 /26309	DEF AT turbid water facies	DEF	AT	4
26470 /26452	DEF AT Bathysiphon fauna	DEF	AT	4
26620 /26593	DEF AT Arenaceous fauna (local marker)	DEF	AT	4
27130 /27045	DEF IN Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	4
27160 /27070	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	4
27190 /27095	DEF AT transported shelf fauna	DEF	AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 434	<b>Date of Summary:</b> 21-DEC-2005	<b>First Sample Examined:</b> 24520
<b>Lease Number:</b> G21207	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31196
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 30362
<b>API Well Number:</b> 608114044600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24520 - 31196	<b>Water Depth:</b> 3448
<b>Public Info Code:</b> Y 30-JUN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27490 /27341	DEF AT turbid water facies	DEF AT 4
27940 /27708	DEF AT transported shelf fauna	DEF AT 4
28030 /27781	DEF AT turbid water facies	DEF AT 4
28210 /27928	DEF AT -----	DEF IN 3
28300 /28001	DEF AT -----	DEF AT 4
28359 /28049	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
28360 /28050	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
28390 /28074	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
28840 /28441	DEF AT turbid water facies	POS AT 4
28870 /28465	DEF AT Arenaceous fauna (local marker)	POS AT 4
28960 /28539	DEF AT -----	DEF AT 4
28990 /28563	DEF AT turbid water facies	POS AT 4
29020 /28588	DEF AT Arenaceous fauna (local marker)	POS AT 4
29050 /28612	DEF AT -----	DEF AT 4
29140 /28686	DEF AT transported shelf fauna	POS AT 4
29170 /28710	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
29200 /28734	DEF AT -----	DEF AT 5
29230 /28759	DEF AT -----	DEF AT 4
29350 /28857	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
29410 /28906	DEF AT -----	DEF AT 4
29500 /28979	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
29530 /29004	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
29620 /29077	DEF AT -----	DEF AT 4
29650 /29101	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 434  
Lease Number: G21207  
Well Name: 001  
API Well Number: 608114044600  
Paleo Report Num: 1 of 2  
Public Info Code: Y 30-JUN-2009

Date of Summary: 21-DEC-2005  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 24520 - 31196  
Ecozone Eq MMS: Y

First Sample Examined: 24520  
Borehole MD: 31196  
Borehole TVD: 30362  
Rkb Elevation: 75  
Water Depth: 3448  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29710 /29150	DEF AT local marker planktic foram increase	DEF AT 4
30100 /29468	DEF AT - - - - -	DEF AT 5
30130 /29493	DEF AT turbid water facies	POS AT 5
30190 /29542	DEF AT - - - - -	DEF AT 4
30249 /29590	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
30250 /29591	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
30580 /29860	POS AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
30610 /29884	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
30730 /29982	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
30820 /30056	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 4
30930 /30145	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4
30968 /30176	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 4
30969 /30177	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 4
30970 /30178	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
31030 /30227	DEF AT Lower Oligocene (Rupelian) Textularia mississippiensis seligi	DEF AT 4
31150 /30324	DEF AT Arenaceous fauna (local marker)	DEF AT 4
31196 /30362	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 434	Date of Summary: 12-MAR-2006	First Sample Examined: 11200
Lease Number: G21207	Source of Paleo: OPERATOR	Borehole MD: 31196
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 30362
API Well Number: 608114044600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 11200 - 31196	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report, paleo done by Theresa MDunn

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11230 /11230	DEF AT first sample examined	DEF AT
11231 /11231	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11830 /11830	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11890 /11890	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11920 /11920	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11950 /11950	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11980 /11980	DEF AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
12040 /12040	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12160 /12160	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
12190 /12190	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12280 /12280	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
12310 /12310	DEF AT sample gap top	DEF AT
24820 /24820	DEF AT sample gap bottom	DEF AT
25570 /25570	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
26770 /26731	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
27130 /27045	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
27160 /27070	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27580 /27414	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
27610 /27438	DEF AT reworked material	DEF AT
28959 /28538	POS AT reworked material	DEF AT
28960 /28539	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
29500 /28979	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 434	<b>Date of Summary:</b> 12-MAR-2006	<b>First Sample Examined:</b> 11200
<b>Lease Number:</b> G21207	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31196
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 30362
<b>API Well Number:</b> 608114044600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11200 - 31196	<b>Water Depth:</b> 3448
<b>Public Info Code:</b> Y 30-JUN-2009	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30280 /29615	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
30490 /29786	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
30550 /29835	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
30790 /30031	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
30940 /30153	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
31196 /30362	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 434	Date of Summary: 02-MAR-2006	First Sample Examined: 25960
Lease Number: G21212	Source of Paleo: OPERATOR	Borehole MD: 32475
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32473
API Well Number: 608114044601	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 25960 - 32475	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25960 /25959	DEF AT first sample examined	DEF AT 4
25990 /25989	DEF AT -----	DEF AT 5
26050 /26048	DEF AT -----	DEF AT 4
26260 /26257	DEF AT -----	DEF AT 5
26290 /26287	DEF AT -----	DEF AT 4
26470 /26467	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26500 /26497	DEF AT -----	DEF AT 5
26650 /26647	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
26680 /26677	DEF AT -----	DEF AT 4
26950 /26947	DEF AT -----	DEF AT 5
26980 /26977	DEF AT -----	DEF AT 4
27160 /27157	DEF AT -----	DEF AT 5
27220 /27217	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
27310 /27307	DEF AT local marker foram increase	DEF AT 5
27340 /27337	DEF AT -----	DEF AT 4
27520 /27517	DEF AT -----	DEF AT 5
27640 /27637	DEF AT Arenaceous fauna (local marker)	DEF AT 5
27820 /27817	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
28030 /28027	DEF AT Arenaceous fauna (local marker)	DEF AT 5
28120 /28117	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
28420 /28417	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
28660 /28657	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 434	Date of Summary: 02-MAR-2006	First Sample Examined: 25960
Lease Number: G21212	Source of Paleo: OPERATOR	Borehole MD: 32475
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32473
API Well Number: 608114044601	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 25960 - 32475	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28690 /28687	DEF AT -----	DEF AT 4
28900 /28897	DEF AT -----	DEF AT 5
28930 /28927	DEF AT local marker foram increase	DEF AT 5
29050 /29047	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
29200 /29197	DEF AT local marker foram increase	DEF AT 5
29560 /29557	DEF AT local marker foram increase	DEF AT 5
29980 /29977	DEF AT -----	POS AT 5
30040 /30037	DEF AT -----	DEF AT 4
30130 /30127	DEF AT -----	DEF AT 5
30160 /30157	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
30400 /30397	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
30490 /30487	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 5
30910 /30907	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
31240 /31237	DEF AT local marker foram increase	DEF AT 5
31330 /31327	DEF AT local marker foram increase	DEF AT 5
31450 /31447	DEF AT transported inner shelf facies	DEF AT 5
31600 /31597	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
31690 /31687	DEF AT local marker foram increase	DEF AT 5
32050 /32047	DEF AT local marker foram increase	DEF AT 5
32080 /32077	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
32475 /32472	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 434	Date of Summary: 01-APR-2006	First Sample Examined: 25800
Lease Number: G21212	Source of Paleo: OPERATOR	Borehole MD: 32475
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32473
API Well Number: 608114044601	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 25800 - 32475	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25800 /25799	DEF AT first sample examined	DEF AT
25801 /25800	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
25900 /25899	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
25990 /25989	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26980 /26977	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27910 /27907	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
29920 /29917	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
30070 /30067	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
30190 /30187	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
30910 /30907	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
32050 /32047	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
32475 /32472	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 435	Date of Summary: 01-AUG-2003	First Sample Examined: 7112
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 19610
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19587
API Well Number: 608114038300	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7112 - 10200	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Yorick Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7112 / 7110	DEF AT first sample examined	DEF AT
7113 / 7111	POS IN Upper Pleistocene (Ionian) Pontosphaera indoceanica	DEF AT
7820 / 7817	POS AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
7879 / 7876	POS AT unconformity	DEF AT
7880 / 7877	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8000 / 7997	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9389 / 9384	DEF AT condensed section	DEF AT
9390 / 9385	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9570 / 9565	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9600 / 9595	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
9630 / 9624	DEF AT reworked material	DEF AT
9720 / 9714	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9840 / 9834	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
9960 / 9954	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10050 /10044	POS IN Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
10200 /10193	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 435	Date of Summary: 01-NOV-2003	First Sample Examined: 7112
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 19610
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19587
API Well Number: 608114038300	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7112 - 17280	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Yorick Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7112 / 7110	DEF AT first sample examined	DEF AT 4
7113 / 7111	POS IN Holocene Globorotalia inflata	DEF AT 4
7820 / 7817	DEF AT local marker foram increase	DEF AT 5
8000 / 7997	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
8180 / 8177	DEF AT - - - - -	DEF AT 4
9090 / 9085	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9300 / 9295	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
9330 / 9325	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
9480 / 9475	DEF AT - - - - -	POS AT 5
9539 / 9534	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
9540 / 9535	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
9570 / 9565	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
9600 / 9595	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
9690 / 9684	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
9870 / 9864	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9989 / 9983	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
9990 / 9984	POS AT Upper Miocene (Tortonian) Cibicides trinceransensis	DEF AT 6
10050 /10044	DEF AT - - - - -	DEF AT 5
10200 /10193	DEF AT salt	DEF AT 5
17190 /17170	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17280 /17260	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 435	Date of Summary: 02-JAN-2004	First Sample Examined: 22020
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 23076
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22207
API Well Number: 608114038301	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 22020 - 23076	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Yorick Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22020 /21168	DEF AT first sample examined	DEF AT
22021 /21169	DEF IN base of salt	DEF AT
22022 /21170	DEF AT out-of-place section	DEF AT
22750 /21883	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22900 /22032	DEF AT reworked material	DEF AT
23020 /22151	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23076 /22207	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 435	Date of Summary: 02-JAN-2004	First Sample Examined: 22720
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 30547
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29561
API Well Number: 608114038302	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 22720 - 30547	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Yorick Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22720 /21853	DEF AT first sample examined	DEF AT
22721 /21854	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22810 /21942	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23080 /22208	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23770 /22888	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24040 /23155	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24640 /23748	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24850 /23955	DEF AT local marker floral increase	DEF AT
25210 /24311	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26020 /25108	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27040 /26114	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27430 /26498	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
28390 /27444	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
29020 /28067	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
29080 /28126	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
29230 /28274	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
29320 /28363	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
29470 /28510	DEF AT reworked material	DEF AT
29620 /28657	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
29649 /28685	POS AT reworked material	DEF AT
29650 /28686	DEF IN Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
30070 /29098	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 435	<b>Date of Summary:</b> 02-JAN-2004	<b>First Sample Examined:</b> 22720
<b>Lease Number:</b> G18387	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30547
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29561
<b>API Well Number:</b> 608114038302	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 22720 - 30547	<b>Water Depth:</b> 3813
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30190 /29215	DEF IN Lower Miocene (Aquitanean) Sphenolithus dissimilis	DEF AT
30520 /29535	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 448	<b>Date of Summary:</b> 18-APR-2008	<b>First Sample Examined:</b> 6240
<b>Lease Number:</b> G28077	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11499
<b>API Well Number:</b> 608114050400	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6240 - 11500	<b>Water Depth:</b> 3266
<b>Public Info Code:</b> Y 18-OCT-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6240 / 6240	DEF AT first sample examined	DEF AT 5
6241 / 6241	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
6375 / 6375	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7365 / 7365	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7453 / 7453	POS AT maximum flooding surface	DEF AT 5
7454 / 7454	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
7455 / 7455	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
8759 / 8759	POS AT maximum flooding surface	DEF AT 5
8760 / 8760	DEF AT local marker floral increase	DEF AT 5
8800 / 8800	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8850 / 8850	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9120 / 9120	POS AT sequence boundary	DEF AT 5
10990 / 10989	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11049 / 11048	POS AT maximum flooding surface	DEF IN 5
11050 / 11049	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
11080 / 11079	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
11110 / 11109	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
11260 / 11259	POS AT maximum flooding surface	DEF IN 5
11500 / 11499	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 452	Date of Summary: 09-JAN-2008	First Sample Examined: 4725
Lease Number: G28078	Source of Paleo: OPERATOR	Borehole MD: 26597
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26585
API Well Number: 608114050500	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4725 - 26597	Water Depth: 2720
Public Info Code: Y 10-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4725 / 4725	DEF AT first sample examined	DEF AT 5
4726 / 4726	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6119 / 6118	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
6120 / 6119	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
6270 / 6269	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
6390 / 6389	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
6540 / 6539	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
7620 / 7619	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7650 / 7649	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
7710 / 7709	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
7740 / 7739	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
8040 / 8039	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
8160 / 8159	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
8188 / 8187	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
8189 / 8188	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
8190 / 8189	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8519 / 8518	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
8520 / 8519	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
8550 / 8549	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
8578 / 8577	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
8579 / 8578	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
8580 / 8579	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 452  
Lease Number: G28078  
Well Name: 001  
API Well Number: 608114050500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 10-AUG-2015

Date of Summary: 09-JAN-2008  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: WOODSIDE ENERGY USA INC  
Sample Range: 4725 - 26597  
Ecozone Eq MMS: Y

First Sample Examined: 4725  
Borehole MD: 26597  
Borehole TVD: 26585  
Rkb Elevation: 82  
Water Depth: 2720  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8699 / 8698	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
8700 / 8699	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8940 / 8938	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
9389 / 9387	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
9390 / 9388	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
9540 / 9538	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
9600 / 9598	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9629 / 9627	DEF AT salt weld	DEF IN 5
9630 / 9628	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
9930 / 9928	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
10020 /10018	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10200 /10198	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
10230 /10228	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10260 /10258	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
10320 /10318	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
10380 /10377	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
10440 /10437	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10529 /10526	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
10530 /10527	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
10560 /10557	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
10620 /10617	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
10767 /10764	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
10768 /10765	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5
10769 /10766	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 452	Date of Summary: 09-JAN-2008	First Sample Examined: 4725
Lease Number: G28078	Source of Paleo: OPERATOR	Borehole MD: 26597
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26585
API Well Number: 608114050500	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4725 - 26597	Water Depth: 2720
Public Info Code: Y 10-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10770 /10767	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
10890 /10887	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
11580 /11576	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11640 /11636	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
12060 /12056	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
12090 /12086	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
12209 /12204	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
12210 /12205	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
12360 /12355	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
12390 /12385	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
12450 /12445	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
12570 /12565	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
12600 /12595	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
12690 /12685	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
12720 /12715	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
13110 /13105	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
13290 /13284	DEF AT - - - - -	DEF AT 5
13440 /13434	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
13707 /13701	POS IN out-of-place section	DEF AT 5
13708 /13702	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
13709 /13703	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
13710 /13704	DEF AT local marker floral decrease	DEF AT 5
13830 /13824	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
13920 /13914	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 452	Date of Summary: 09-JAN-2008	First Sample Examined: 4725
Lease Number: G28078	Source of Paleo: OPERATOR	Borehole MD: 26597
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26585
API Well Number: 608114050500	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4725 - 26597	Water Depth: 2720
Public Info Code: Y 10-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 /14004	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
14189 /14183	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14190 /14184	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
15419 /15411	POS IN Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15420 /15412	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15870 /15862	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16680 /16671	DEF AT -----	DEF IN 5
16710 /16701	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
16740 /16731	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
16860 /16851	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
17039 /17030	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
17040 /17031	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
17220 /17211	DEF AT -----	DEF AT 6
17520 /17511	DEF AT -----	DEF AT 5
17580 /17571	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
18479 /18470	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
18480 /18471	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
18540 /18531	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
18660 /18651	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
20220 /20211	DEF AT -----	DEF IN 5
20730 /20721	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF IN 5
20790 /20781	DEF AT -----	DEF AT 5
21180 /21171	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
21810 /21801	POS IN Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 452	Date of Summary: 09-JAN-2008	First Sample Examined: 4725
Lease Number: G28078	Source of Paleo: OPERATOR	Borehole MD: 26597
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26585
API Well Number: 608114050500	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4725 - 26597	Water Depth: 2720
Public Info Code: Y 10-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21840 /21831	POS IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
21990 /21981	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
22080 /22071	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
22440 /22431	DEF AT - - - - -	DEF IN 5
22739 /22730	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
22740 /22731	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
22860 /22851	DEF AT - - - - -	DEF AT 5
24900 /24891	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
24930 /24921	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
26430 /26419	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
26490 /26478	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
26597 /26585	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 460	<b>Date of Summary:</b> 27-APR-1998	<b>First Sample Examined:</b> 6480
<b>Lease Number:</b> G09932	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25626
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 21874
<b>API Well Number:</b> 608114022600	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6480 - 25560	<b>Water Depth:</b> 4019
<b>Public Info Code:</b> Y 25-APR-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6480 / 6477	DEF AT first sample examined	DEF AT
7620 / 7613	DEF AT local marker floral increase	DEF AT
8040 / 8032	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12030 /11594	DEF AT local marker floral increase	DEF AT
14700 /13526	DEF AT reworked material	DEF AT
17040 /15229	DEF AT local marker floral increase	DEF AT
17160 /15316	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
17220 /15359	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
17520 /15578	DEF AT local marker floral increase	DEF AT
18900 /16574	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
20220 /17502	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20460 /17669	DEF AT local marker floral increase	DEF AT
20760 /17877	DEF AT local marker floral increase	DEF AT
21720 /18544	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
23730 /20227	DEF AT local marker floral increase	DEF AT
24780 /21140	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
25170 /21478	DEF AT floral flood	DEF AT
25410 /21686	DEF AT local marker floral increase	DEF AT
25500 /21764	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
25560 /21817	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 460	Date of Summary: 01-AUG-1998	First Sample Examined: 6480
Lease Number: G09932	Source of Paleo: OPERATOR	Borehole MD: 25626
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 21874
API Well Number: 608114022600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 6480 - 25590	Water Depth: 4019
Public Info Code: Y 25-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 003

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6480 / 6477	DEF AT first sample examined	DEF AT 4
6481 / 6478	DEF IN Illinoian fauna (local marker)	DEF AT 4
6630 / 6626	DEF AT reworked material	DEF AT 4
6720 / 6715	DEF AT faunal change (no faunal increase)	DEF AT 3
6750 / 6745	DEF AT faunal change (no faunal increase)	DEF AT 4
7080 / 7074	DEF AT faunal change (no faunal increase)	DEF AT 3
7720 / 7713	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
8010 / 8002	DEF AT faunal change (no faunal increase)	DEF AT 4
8100 / 8092	DEF AT faunal change (no faunal increase)	DEF AT 3
8130 / 8122	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
8190 / 8182	DEF AT local marker foram increase	DEF AT 3
9000 / 8992	DEF AT local marker foram increase	DEF AT 3
10740 /10620	DEF AT local marker foram increase	DEF AT 3
11970 /11551	DEF AT local marker foram increase	DEF AT 4
12240 /11745	DEF AT faunal change (no faunal increase)	DEF AT 3
13740 /12834	DEF AT local marker foram increase	DEF AT 3
15060 /13785	DEF AT oxidized shale	DEF AT 3
15120 /13828	DEF AT gray shale	DEF AT 3
15900 /14399	DEF AT local marker foram increase	DEF AT 3
16170 /14597	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 3
17130 /15294	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
17520 /15578	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 460  
Lease Number: G09932  
Well Name: 001  
API Well Number: 608114022600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 25-APR-2000

Date of Summary: 01-AUG-1998  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 6480 - 25590  
Ecozone Eq MMS: Y

First Sample Examined: 6480  
Borehole MD: 25626  
Borehole TVD: 21874  
Rkb Elevation: 86  
Water Depth: 4019  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17670 /15687	DEF AT faunal change (no faunal increase)	DEF AT 3
17970 /15905	DEF AT reworked material	DEF AT 3
19020 /16660	DEF AT local marker foram increase	DEF AT 3
19110 /16724	DEF AT local marker foram increase	DEF AT 3
19380 /16915	DEF AT local marker benthic foram increase	DEF AT 3
20160 /17461	DEF AT local marker foram increase	DEF AT 3
20220 /17502	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
20310 /17565	DEF AT local marker planktic foram increase	DEF AT 4
20340 /17586	DEF AT faunal change (no faunal increase)	DEF AT 3
20460 /17669	DEF AT local marker planktic foram increase	DEF AT 4
20580 /17752	DEF AT faunal change (no faunal increase)	DEF AT 3
20670 /17815	DEF AT local marker planktic foram increase	DEF AT 4
20700 /17835	DEF AT faunal change (no faunal increase)	DEF AT 3
20760 /17877	DEF AT faunal change (no faunal increase)	DEF AT 4
20850 /17939	DEF AT faunal change (no faunal increase)	DEF AT 3
21660 /18501	DEF AT gray shale	DEF AT 3
21690 /18523	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
21720 /18544	POS AT foram flood	DEF AT 4
22230 /18928	DEF AT local marker benthic foram increase	DEF AT 3
22440 /19105	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
23700 /20200	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23880 /20357	DEF AT faunal change (no faunal increase)	DEF AT 3
23970 /20435	DEF AT faunal change (no faunal increase)	DEF AT 3
24750 /21114	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 460	<b>Date of Summary:</b> 01-AUG-1998	<b>First Sample Examined:</b> 6480
<b>Lease Number:</b> G09932	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25626
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 21874
<b>API Well Number:</b> 608114022600	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6480 - 25590	<b>Water Depth:</b> 4019
<b>Public Info Code:</b> Y 25-APR-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24780 /21140	DEF AT faunal change (no faunal increase)	DEF AT 4
25140 /21452	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
25560 /21817	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 460	<b>Date of Summary:</b> 18-JUL-1998	<b>First Sample Examined:</b> 25050
<b>Lease Number:</b> G09932	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25962
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 22156
<b>API Well Number:</b> 608114022601	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 25050 - 25950	<b>Water Depth:</b> 4019
<b>Public Info Code:</b> Y 25-APR-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25050 /21374	DEF AT first sample examined	DEF AT
25170 /21478	DEF AT floral flood	DEF AT
25530 /21787	DEF AT local marker floral increase	DEF AT
25619 /21863	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
25620 /21863	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
25650 /21889	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
25740 /21966	DEF AT floral flood	DEF AT
25950 /22145	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 460  
Lease Number: G09932  
Well Name: 001  
API Well Number: 608114022601  
Paleo Report Num: 2 of 2  
Public Info Code: Y 25-APR-2000

Date of Summary: 01-AUG-1998  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 25590 - 25920  
Ecozone Eq MMS: Y

First Sample Examined: 25590  
Borehole MD: 25962  
Borehole TVD: 22156  
Rkb Elevation: 86  
Water Depth: 4019  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25590 /21838	DEF AT first sample examined	DEF IN 4
25620 /21863	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 4
25710 /21940	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
25740 /21966	DEF AT foram flood	DEF AT 5
25920 /22120	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 460	<b>Date of Summary:</b> 01-AUG-1998	<b>First Sample Examined:</b> 25950
<b>Lease Number:</b> G09932	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27582
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23521
<b>API Well Number:</b> 608114022602	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 25950 - 27582	<b>Water Depth:</b> 4019
<b>Public Info Code:</b> Y 25-APR-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** 26700=top of first salt by e-log - no domal gouge, 26850=gypsum and tan shale influx, 27060=back in normal section, basal P-fauna

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25950 /22128	DEF AT first sample examined	DEF AT 4
26190 /22331	DEF AT Lower Pliocene (Zanclian) <i>Buccella (Eponides) hannai</i> (acme)	DEF AT 4
26400 /22510	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF IN 3
26550 /22638	DEF AT local marker foram increase	DEF IN 3
26610 /22689	DEF AT local marker planktic foram increase	DEF AT 4
26640 /22715	DEF AT Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF AT 4
26670 /22741	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi / nepenthes "B"</i>	DEF AT 4
26700 /22766	DEF AT salt	DEF AT 4
26790 /22843	DEF AT faunal change (no faunal increase)	DEF AT 3
26849 /22893	DEF AT oxidized shale	DEF AT 3
26850 /22894	DEF AT gypsum	DEF AT 3
26970 /22996	DEF AT reworked material	DEF AT 3
27060 /23073	DEF IN Lower Pliocene (Zanclian) <i>Globigerina druryi / nepenthes "B"</i>	DEF AT 3
27210 /23202	DEF AT faunal change (no faunal increase)	DEF AT 4
27330 /23305	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 4
27420 /23382	DEF AT Upper Eocene (Priabonian) <i>Globorotalia cerroazulensis cocoaensis</i>	DEF AT 5
27449 /23407	DEF AT gypsum	DEF AT 5
27450 /23408	DEF AT salt	DEF AT 5
27582 /23521	DEF AT last sample examined	DEF AT 5



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 460	<b>Date of Summary:</b> 11-AUG-1998	<b>First Sample Examined:</b> 26000
<b>Lease Number:</b> G09932	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27582
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23521
<b>API Well Number:</b> 608114022602	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 26000 - 27582	<b>Water Depth:</b> 4019
<b>Public Info Code:</b> Y 25-APR-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26000 /22170	DEF AT first sample examined	DEF AT
26130 /22280	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
26220 /22356	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
26670 /22741	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
26710 /22775	DEF IN salt	DEF AT
26970 /22996	DEF AT out-of-place section	DEF AT
27000 /23022	DEF AT out-of-place section	DEF AT
27581 /23520	DEF AT floral flood	DEF AT
27582 /23521	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 468	Date of Summary: 06-SEP-2006	First Sample Examined: 9570
Lease Number: G26313	Source of Paleo: OPERATOR	Borehole MD: 23887
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23885
API Well Number: 608114045800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9570 - 23887	Water Depth: 3497
Public Info Code: Y 23-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Pony Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9570 / 9568	DEF AT first sample examined	DEF AT
9571 / 9569	DEF IN salt	DEF AT
21700 /21698	DEF AT out-of-place section	DEF AT
21760 /21758	DEF IN salt	DEF AT
21879 /21877	DEF AT base of salt	DEF IN 5
21880 /21878	DEF AT out-of-place section	DEF IN 5
22660 /22658	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
22780 /22778	DEF AT - - - - -	DEF IN 5
22870 /22868	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
22990 /22988	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
23290 /23288	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
23446 /23444	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
23470 /23468	DEF AT - - - - -	DEF IN 5
23830 /23828	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
23887 /23885	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 468	Date of Summary: 06-SEP-2006	First Sample Examined: 21980
Lease Number: G26313	Source of Paleo: OPERATOR	Borehole MD: 32448
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32419
API Well Number: 608114045801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 21980 - 32438	Water Depth: 3440
Public Info Code: Y 24-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Pony Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21980 /21978	DEF AT first sample examined	DEF IN 5
22190 /22188	DEF AT out-of-place section	DEF AT 4
22250 /22248	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
22399 /22397	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
22400 /22398	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 4
22850 /22848	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
23390 /23388	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
23480 /23478	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT 4
23550 /23548	DEF AT - - - - -	DEF AT 3
23789 /23787	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 3
23790 /23788	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 3
24450 /24448	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 3
24810 /24808	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 3
24870 /24868	DEF AT - - - - -	DEF AT 4
24930 /24928	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
26010 /26008	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
26340 /26338	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
27270 /27267	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
27300 /27297	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
27720 /27717	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
27900 /27897	POS AT transported outer shelf facies	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 468  
Lease Number: G26313  
Well Name: 001  
API Well Number: 608114045801  
Paleo Report Num: 1 of 1  
Public Info Code: Y 24-JUL-2016

Date of Summary: 06-SEP-2006  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 21980 - 32438  
Ecozone Eq MMS: Y

First Sample Examined: 21980  
Borehole MD: 32448  
Borehole TVD: 32419  
Rkb Elevation: 86  
Water Depth: 3440  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28230 /28227	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
28260 /28257	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 6
28349 /28346	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	POS AT 6
28350 /28347	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	POS AT 6
28650 /28647	DEF AT -----	DEF AT 5
29220 /29217	DEF AT -----	DEF AT 4
29250 /29247	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
32438 /32419	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 469	Date of Summary: 07-JUN-2010	First Sample Examined: 24840
Lease Number: G25153	Source of Paleo: OPERATOR	Borehole MD: 25740
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25670
API Well Number: 608114056700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 24840 - 25740	Water Depth: 3350
Public Info Code: Y 19-OCT-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24840 /24800	DEF AT first sample examined	DEF IN 3
24860 /24820	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
25590 /25522	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 3
25740 /25666	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 469	Date of Summary: 07-JUN-2010	First Sample Examined: 24990
Lease Number: G25153	Source of Paleo: OPERATOR	Borehole MD: 25848
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25775
API Well Number: 608114056701	Drilling Operator: HESS CORPORATION	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 24990 - 25834	Water Depth: 3355
Public Info Code: Y 19-OCT-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24990 /24945	DEF AT first sample examined	DEF IN 5
24991 /24946	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
25470 /25410	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
25834 /25761	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 472	Date of Summary: 20-JUL-2001	First Sample Examined: 0
Lease Number: G05097	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12289
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11340
API Well Number: 608114030000	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 60
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3780
Public Info Code: Y 15-JUL-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9390 / 9320	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
9870 / 9650	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10139 / 9827	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10140 / 9827	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
10230 / 9888	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10890 /10332	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10950 /10371	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10979 /10390	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10980 /10391	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11160 /10510	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
11790 /10951	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 473	Date of Summary: 10-DEC-1991	First Sample Examined: 6004
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 14368
Well Name: 001	Paleo Done By: DAVID D. REIMERS	Borehole TVD: 14359
API Well Number: 608115008100	Drilling Operator: CONOCO INC	Rkb Elevation: 48
Paleo Report Num: 1 of 2	Sample Range: 6004 - 14300	Water Depth: 3855
Public Info Code: Y 28-DEC-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6004 / 6000	DEF AT first sample examined	DEF AT
6005 / 6001	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
7230 / 7224	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
10710 /10702	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11460 /11452	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11970 /11962	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12478 /12470	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12479 /12471	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12480 /12472	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13450 /13442	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14300 /14292	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 473	Date of Summary: 17-DEC-1991	First Sample Examined: 6004
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 14368
Well Name: 001	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 14359
API Well Number: 608115008100	Drilling Operator: CONOCO INC	Rkb Elevation: 48
Paleo Report Num: 2 of 2	Sample Range: 6004 - 14320	Water Depth: 3855
Public Info Code: Y 28-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6004 / 6000	DEF AT first sample examined	DEF AT
6450 / 6444	DEF AT local marker benthic foram increase	DEF AT
8100 / 8092	DEF AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT
10650 /10642	DEF AT Lower Pleistocene (Calabrian) <i>Hyalinea "B" = Trimosina "B"</i>	DEF AT
12000 /11992	DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT
12360 /12352	DEF AT Upper Pliocene (Piacenzian) <i>Sphaeroidinellopsis seminulina</i>	DEF AT
12790 /12782	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT
13360 /13352	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF AT
14200 /14192	DEF AT salt	DEF AT
14320 /14312	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 473	Date of Summary: 16-MAR-2000	First Sample Examined: 6000
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 12250
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12219
API Well Number: 608114027300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 6000 - 12250	Water Depth: 3833
Public Info Code: Y 18-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: King Kong Prospect, 9660=possible warm and cool fauna

MD / TVD	Paleo Top Description	Ecozone
6000 / 6000	DEF AT first sample examined	POS IN 2
6150 / 6150	DEF AT faunal change (no faunal increase)	DEF IN 2
6210 / 6210	DEF AT faunal change (no faunal increase)	DEF IN 3
6360 / 6360	DEF AT faunal change (no faunal increase)	DEF AT 4
6630 / 6630	DEF AT faunal change (no faunal increase)	DEF IN 3
6660 / 6660	DEF AT faunal change (no faunal increase)	DEF AT 4
6900 / 6900	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7080 / 7080	DEF AT local marker foram increase	DEF AT 4
7230 / 7230	DEF AT faunal change (no faunal increase)	DEF AT 4
7290 / 7290	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7380 / 7380	DEF AT faunal change (no faunal increase)	DEF AT 4
7650 / 7650	DEF AT local marker foram increase	DEF AT 5
7800 / 7800	DEF AT faunal change (no faunal increase)	DEF AT 4
8070 / 8070	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8130 / 8130	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
8280 / 8280	DEF AT faunal change (no faunal increase)	DEF AT 5
8370 / 8370	DEF AT faunal change (no faunal increase)	DEF AT 4
9090 / 9090	DEF AT faunal change (no faunal increase)	DEF AT 5
9630 / 9629	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9660 / 9659	DEF AT faunal change (no faunal increase)	DEF AT 5
9900 / 9896	DEF AT faunal change (no faunal increase)	DEF AT 4
10560 / 10543	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 473	Date of Summary: 16-MAR-2000	First Sample Examined: 6000
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 12250
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12219
API Well Number: 608114027300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 6000 - 12250	Water Depth: 3833
Public Info Code: Y 18-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10650 /10631	DEF AT faunal change (no faunal increase)	DEF AT 5
10770 /10749	DEF AT faunal change (no faunal increase)	DEF AT 4
10830 /10808	DEF AT faunal change (no faunal increase)	DEF AT 5
10860 /10837	DEF AT faunal change (no faunal increase)	DEF AT 4
10890 /10866	DEF AT faunal change (no faunal increase)	DEF AT 5
10950 /10925	DEF AT faunal change (no faunal increase)	DEF AT 4
11070 /11043	DEF AT faunal change (no faunal increase)	DEF AT 5
11220 /11190	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11400 /11369	DEF AT faunal change (no faunal increase)	DEF AT 4
11520 /11489	POS AT local marker foram increase	DEF AT 4
11640 /11609	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11820 /11789	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12120 /12089	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
12150 /12119	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12180 /12149	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12210 /12179	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12250 /12219	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 473	Date of Summary: 01-JUL-2000	First Sample Examined: 6000
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 12250
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12219
API Well Number: 608114027300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 6000 - 12250	Water Depth: 3833
Public Info Code: Y 18-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	DEF AT
6600 / 6600	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7290 / 7290	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9660 / 9659	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
10860 /10837	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10950 /10925	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11490 /11459	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11760 /11729	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11790 /11759	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11820 /11789	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11970 /11939	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12120 /12089	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12150 /12119	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12240 /12209	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
12250 /12219	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 473	Date of Summary: 19-JUL-2000	First Sample Examined: 6000
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 12250
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12219
API Well Number: 608114027300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 3 of 3	Sample Range: 6000 - 12250	Water Depth: 3833
Public Info Code: Y 18-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6000 / 6000	DEF AT first sample examined	POS AT 4
6600 / 6600	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
7290 / 7290	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 4
8130 / 8130	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
9660 / 9659	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF IN 4
10860 /10837	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
10950 /10925	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
11490 /11459	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
11520 /11489	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
11640 /11609	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11760 /11729	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
11790 /11759	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
11820 /11789	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
11821 /11790	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
11970 /11939	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
12120 /12089	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
12149 /12118	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 4
12150 /12119	POS IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 4
12180 /12149	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
12250 /12219	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 474	<b>Date of Summary:</b> 14-MAR-2002	<b>First Sample Examined:</b> 6780
<b>Lease Number:</b> G21798	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13967
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13279
<b>API Well Number:</b> 608114033400	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6780 - 13950	<b>Water Depth:</b> 4136
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6780 / 6780	DEF AT first sample examined	DEF AT
9240 / 9215	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10380 /10178	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10620 /10378	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10650 /10402	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10770 /10500	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11280 /10922	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12390 /11884	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12590 /12060	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12660 /12121	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12720 /12174	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12810 /12254	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12900 /12334	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12960 /12387	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13380 /12758	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13950 /13265	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 474	Date of Summary: 15-MAR-2002	First Sample Examined: 6780
Lease Number: G21798	Source of Paleo: OPERATOR	Borehole MD: 13967
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13279
API Well Number: 608114033400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6780 - 13950	Water Depth: 4136
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6780 / 6780	DEF AT first sample examined	DEF AT 4
6900 / 6900	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7230 / 7230	DEF AT -----	DEF AT 4
9140 / 9122	DEF AT -----	DEF AT 5
9300 / 9269	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9570 / 9504	DEF AT -----	DEF AT 4
10410 /10203	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10640 /10394	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
10740 /10476	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10770 /10500	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11160 /10821	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11280 /10922	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11640 /11230	DEF AT local marker planktic foram increase	DEF AT 5
12328 /11830	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
12329 /11831	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12330 /11832	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12360 /11858	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12390 /11884	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
12420 /11911	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12720 /12174	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12839 /12280	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12840 /12281	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 474	<b>Date of Summary:</b> 15-MAR-2002	<b>First Sample Examined:</b> 6780
<b>Lease Number:</b> G21798	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13967
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13279
<b>API Well Number:</b> 608114033400	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6780 - 13950	<b>Water Depth:</b> 4136
<b>Public Info Code:</b> Y 19-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13049 /12465	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
13050 /12466	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
13380 /12758	DEF AT - - - - -	DEF AT 5
13410 /12785	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
13950 /13265	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 485	Date of Summary: 18-SEP-2002	First Sample Examined: 14990
Lease Number: G20070	Source of Paleo: OPERATOR	Borehole MD: 24942
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24929
API Well Number: 608114034300	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 14990 - 24942	Water Depth: 2796
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 17150=undifferentiated Neogene fauna with significant background Eocene fauna persisting to 17510, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14990 /14984	DEF AT first sample examined	POS AT 5
14991 /14985	DEF IN salt	POS AT 5
17150 /17144	DEF AT base of salt	DEF AT 5
17300 /17294	DEF AT - - - - -	POS AT 6
17930 /17924	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
18050 /18044	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19970 /19964	DEF AT - - - - -	DEF IN 5
21620 /21614	DEF AT - - - - -	DEF AT 5
22580 /22573	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
23240 /23232	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
24942 /24929	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 485	Date of Summary: 18-SEP-2002	First Sample Examined: 14990
Lease Number: G20070	Source of Paleo: OPERATOR	Borehole MD: 24942
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24929
API Well Number: 608114034300	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 14990 - 24942	Water Depth: 2796
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 15470=increased shale containing a mixed Oligocene and Eocene floral assemblage to 15560, 16310=increased shale containing a mixed Eocene floral assemblage to 16430, 17060=increased shale containing a mixed Eocene and Oligocene floral assemblage, 17150=out of salt, with a mixed Pliocene flora with Oligocene and Eocene flora, 17210=normal section, at or below *Ceratolithus acutus* LAD, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14990 /14984	DEF AT first sample examined	DEF AT
14991 /14985	DEF IN salt	DEF AT
15470 /15464	DEF AT out-of-place section	DEF AT
17150 /17144	DEF AT base of salt	DEF AT
17151 /17145	DEF AT out-of-place section	DEF AT
17210 /17204	DEF IN Lower Pliocene (Zanclian) <i>Ceratolithus acutus</i>	DEF AT
17450 /17444	DEF AT Upper Miocene (Messinian) <i>Discoaster quinquerramus</i>	DEF AT
20000 /19994	DEF AT Upper Miocene (Messinian) <i>Discoaster berggrenii</i>	DEF AT
21620 /21614	POS AT Upper Miocene (Messinian) <i>Discoaster berggrenii</i> "A"	DEF AT
22460 /22453	DEF AT Upper Miocene (Messinian) <i>Discoaster berggrenii</i> "A"	DEF AT
22550 /22543	POS AT Upper Miocene (Tortonian) <i>Discoaster neohamatus</i>	DEF AT
22700 /22693	POS AT Upper Miocene (Tortonian) <i>Discoaster loeblichii</i>	DEF AT
23510 /23502	DEF AT Upper Miocene (Tortonian) <i>Catinaster mexicanus</i>	DEF AT
23540 /23532	DEF AT Upper Miocene (Tortonian) <i>Minylitha convallis</i>	DEF AT
24942 /24929	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 504	Date of Summary: 29-JUN-2012	First Sample Examined: 21900
Lease Number: G22968	Source of Paleo: OPERATOR	Borehole MD: 24640
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24585
API Well Number: 608114058101	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 21900 - 24640	Water Depth: 3600
Public Info Code: Y 14-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21900 /21899	DEF AT first sample examined	POS AT 5
22080 /22079	DEF AT out-of-place section	POS AT 5
22260 /22259	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
22350 /22349	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
22380 /22379	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
22939 /22938	POS AT condensed section	DEF AT 5
22940 /22939	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
22970 /22969	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
23144 /23143	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 5
23145 /23144	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
23200 /23199	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23434 /23433	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23500 /23499	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
23550 /23548	DEF AT - - - - -	DEF AT 4
23690 /23687	DEF AT local marker foram increase	DEF AT 4
23700 /23697	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT 4
23750 /23746	DEF AT - - - - -	DEF AT 5
23850 /23844	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
23920 /23912	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23969 /23959	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 5
23970 /23960	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 504	<b>Date of Summary:</b> 29-JUN-2012	<b>First Sample Examined:</b> 21900
<b>Lease Number:</b> G22968	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24640
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 24585
<b>API Well Number:</b> 608114058101	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 21900 - 24640	<b>Water Depth:</b> 3600
<b>Public Info Code:</b> Y 14-MAR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24200 /24180	DEF AT Arenaceous fauna (local marker)	DEF AT 5
24250 /24228	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24310 /24284	DEF AT - - - - -	DEF AT 4
24510 /24469	DEF AT reworked material	DEF AT 5
24530 /24487	DEF AT local marker foram increase	DEF AT 5
24640 /24585	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 504	Date of Summary: 29-JUN-2012	First Sample Examined: 24641
Lease Number: G22968	Source of Paleo: OPERATOR	Borehole MD: 30343
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28806
API Well Number: 608114058102	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 24641 - 30342	Water Depth: 3600
Public Info Code: Y 14-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24641 /24639	DEF AT first sample examined	DEF AT 5
25010 /25006	DEF AT reworked material	DEF AT 5
25310 /25293	DEF AT - - - - -	DEF AT 4
25490 /25455	DEF AT Bathysiphon fauna	DEF AT 4
25520 /25482	DEF AT - - - - -	DEF AT 5
25550 /25508	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25610 /25558	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
25790 /25703	DEF AT Arenaceous fauna (local marker)	DEF AT 5
25940 /25815	DEF AT Arenaceous fauna (local marker)	DEF AT 5
25960 /25829	DEF AT local marker planktic foram increase	DEF AT 5
26330 /26087	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26600 /26275	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
26690 /26337	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
26990 /26545	DEF AT - - - - -	DEF AT 4
27260 /26732	DEF AT - - - - -	DEF AT 5
27290 /26752	DEF AT - - - - -	DEF AT 4
27490 /26890	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
27550 /26932	DEF AT - - - - -	DEF AT 5
27580 /26952	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
27640 /26994	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5
27670 /27015	DEF AT Bathysiphon fauna	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 504	<b>Date of Summary:</b> 29-JUN-2012	<b>First Sample Examined:</b> 24641
<b>Lease Number:</b> G22968	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30343
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28806
<b>API Well Number:</b> 608114058102	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 24641 - 30342	<b>Water Depth:</b> 3600
<b>Public Info Code:</b> Y 14-MAR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27929 /27194	DEF AT local marker benthic foram increase	DEF AT 5
27930 /27195	DEF AT local marker planktic foram increase	DEF AT 5
28010 /27250	DEF AT - - - - -	DEF AT 4
28330 /27471	DEF AT Bathysiphon fauna	DEF AT 4
28640 /27686	DEF AT - - - - -	DEF AT 5
28670 /27707	DEF AT local marker planktic foram increase	DEF AT 5
28880 /27852	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
28910 /27873	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
29000 /27935	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 5
29510 /28279	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
29750 /28436	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 5
29810 /28475	DEF AT transported shelf fauna	DEF AT 5
29990 /28589	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
30020 /28608	DEF AT local marker floral increase	DEF AT 5
30260 /28756	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT 5
30342 /28806	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 505	Date of Summary: 10-FEB-2010	First Sample Examined: 6710
Lease Number: G22969	Source of Paleo: OPERATOR	Borehole MD: 9000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9000
API Well Number: 608114056400	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6710 - 9000	Water Depth: 4255
Public Info Code: Y 14-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6710	DEF AT first sample examined	DEF AT 5
7180 / 7180	POS AT maximum flooding surface	DEF AT 5
7489 / 7489	POS AT maximum flooding surface	DEF IN 5
7490 / 7490	DEF AT local marker planktic foram increase	DEF IN 5
7610 / 7610	DEF AT - - - - -	DEF AT 5
8570 / 8570	POS AT maximum flooding surface	DEF AT 5
8810 / 8809	POS AT maximum flooding surface	DEF AT 5
8930 / 8929	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9000 / 8999	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 507	Date of Summary: 18-JAN-2002	First Sample Examined: 5900
Lease Number: G22970	Source of Paleo: OPERATOR	Borehole MD: 12500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12498
API Well Number: 608114032800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5900 - 12500	Water Depth: 3947
Public Info Code: Y 26-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5900	DEF AT first sample examined	DEF AT 5
6080 / 6080	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6890 / 6890	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7250 / 7250	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7340 / 7340	DEF AT - - - - -	DEF AT 4
9560 / 9560	DEF AT - - - - -	DEF AT 5
11030 /11029	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11180 /11179	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
11570 /11569	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11870 /11869	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12020 /12019	POS AT local marker planktic foram increase	DEF AT 5
12050 /12049	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
12500 /12498	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 507	<b>Date of Summary:</b> 21-JAN-2002	<b>First Sample Examined:</b> 5900
<b>Lease Number:</b> G22970	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12498
<b>API Well Number:</b> 608114032800	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5900 - 12500	<b>Water Depth:</b> 3947
<b>Public Info Code:</b> Y 26-JAN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5900	DEF AT first sample examined	DEF AT
6260 / 6260	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6890 / 6890	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9290 / 9290	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10790 /10789	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10970 /10969	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11240 /11239	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12500 /12498	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 507	<b>Date of Summary:</b> 01-NOV-2012	<b>First Sample Examined:</b> 24930
<b>Lease Number:</b> G22970	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33619
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 33618
<b>API Well Number:</b> 608114059700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24930 - 33619	<b>Water Depth:</b> 4028
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Ness Deep Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24930 /24929	DEF AT first sample examined	POS AT 4
25230 /25229	DEF AT Bathysiphon fauna	POS AT 6
25290 /25289	DEF AT -----	DEF AT 5
25349 /25348	DEF AT Arenaceous fauna (local marker)	DEF AT 5
25350 /25349	DEF AT Bathysiphon fauna	DEF AT 5
25650 /25649	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
25710 /25709	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
26010 /26009	DEF AT -----	DEF IN 5
26070 /26069	DEF AT Arenaceous fauna (local marker)	DEF IN 5
26130 /26129	DEF AT -----	DEF AT 5
26250 /26249	DEF AT -----	DEF AT 4
26370 /26369	DEF AT -----	DEF AT 5
26670 /26669	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26910 /26909	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
27030 /27029	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
27150 /27149	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
27450 /27449	DEF AT transported outer shelf facies	DEF AT 5
27810 /27809	DEF AT -----	DEF AT 4
27930 /27929	DEF AT -----	DEF AT 5
28350 /28349	DEF AT Arenaceous fauna (local marker)	DEF AT 5
28410 /28409	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
28617 /28616	POS AT condensed section	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 507	Date of Summary: 01-NOV-2012	First Sample Examined: 24930
Lease Number: G22970	Source of Paleo: OPERATOR	Borehole MD: 33619
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 33618
API Well Number: 608114059700	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 24930 - 33619	Water Depth: 4028
Public Info Code: Y 17-OCT-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28618 /28617	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
28619 /28618	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
28620 /28619	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
28680 /28679	DEF AT Cyclammina sp. (local marker)	DEF AT 6
28740 /28739	DEF AT -----	DEF IN 5
28980 /28979	DEF AT -----	DEF AT 6
29070 /29069	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
29160 /29159	DEF AT -----	DEF AT 5
29640 /29639	DEF AT transported outer shelf facies	DEF AT 5
29760 /29759	DEF AT -----	DEF IN 5
29940 /29939	DEF AT -----	DEF AT 6
30240 /30239	DEF AT -----	POS AT 5
30760 /30759	DEF AT -----	DEF AT 5
30930 /30929	DEF AT transported outer shelf facies	DEF AT 5
31110 /31109	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
31199 /31198	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
31200 /31199	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
31290 /31289	DEF AT -----	DEF AT 4
31410 /31409	DEF AT -----	DEF IN 5
31530 /31529	DEF AT -----	DEF AT 5
31650 /31649	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 5
31770 /31769	DEF AT transported outer shelf facies	DEF AT 5
32310 /32309	DEF AT transported outer shelf facies	DEF AT 5
32370 /32369	DEF AT Arenaceous fauna (local marker)	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 507	<b>Date of Summary:</b> 01-NOV-2012	<b>First Sample Examined:</b> 24930
<b>Lease Number:</b> G22970	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33619
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 33618
<b>API Well Number:</b> 608114059700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24930 - 33619	<b>Water Depth:</b> 4028
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
33509 /33508	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
33510 /33509	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 5
33619 /33618	DEF AT last sample examined	DEF IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 507	<b>Date of Summary:</b> 26-DEC-2012	<b>First Sample Examined:</b> 24930
<b>Lease Number:</b> G22970	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33619
<b>Well Name:</b> 002	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 33618
<b>API Well Number:</b> 608114059700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 24930 - 33619	<b>Water Depth:</b> 4028
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Ness Deep Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24930 /24929	DEF AT first sample examined	DEF AT
24931 /24930	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT
26070 /26069	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
27540 /27539	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
28229 /28228	DEF AT floral flood	DEF AT
28230 /28229	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
28320 /28319	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
28500 /28499	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
28590 /28589	POS AT sequence boundary	DEF AT
28620 /28619	DEF AT local marker floral increase	DEF AT
28980 /28979	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
29640 /29639	DEF AT local marker floral increase	DEF AT
29880 /29879	DEF AT local marker floral increase	DEF AT
30870 /30869	POS AT sequence boundary	DEF AT
31080 /31079	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
31140 /31139	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
31229 /31228	POS AT sequence boundary	DEF AT
31230 /31229	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
31618 /31617	POS AT sequence boundary	DEF AT
31619 /31618	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
31620 /31619	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
31740 /31739	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 507	<b>Date of Summary:</b> 26-DEC-2012	<b>First Sample Examined:</b> 24930
<b>Lease Number:</b> G22970	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33619
<b>Well Name:</b> 002	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 33618
<b>API Well Number:</b> 608114059700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 24930 - 33619	<b>Water Depth:</b> 4028
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32579 /32578	POS AT sequence boundary	DEF AT
32580 /32579	POS AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
32730 /32729	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
33120 /33119	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
33180 /33179	DEF IN Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
33299 /33298	POS AT sequence boundary	DEF AT
33300 /33299	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
33360 /33359	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
33450 /33449	DEF AT local marker floral increase	DEF AT
33619 /33618	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 507	<b>Date of Summary:</b> 01-JAN-2013	<b>First Sample Examined:</b> 26000
<b>Lease Number:</b> G22970	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 34809
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 33085
<b>API Well Number:</b> 608114059701	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 26000 - 34809	<b>Water Depth:</b> 4028
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Ness Deep Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26000 /25999	DEF AT first sample examined	DEF AT 5
26060 /26059	DEF IN Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
26061 /26060	DEF IN Upper Miocene (Tortonian) Bigenerina 2	DEF AT 5
26180 /26179	DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
26600 /26590	DEF AT -----	DEF IN 5
26900 /26881	DEF AT -----	DEF AT 5
27140 /27107	DEF AT Arenaceous fauna (local marker)	DEF AT 5
27230 /27190	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
27260 /27217	DEF AT -----	DEF AT 4
27380 /27324	DEF AT -----	DEF AT 5
27680 /27576	DEF AT -----	DEF AT 4
27950 /27787	DEF AT cement	DEF AT 4
28160 /27947	POS AT local marker benthic foram increase	DEF IN 5
28220 /27993	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
28280 /28039	DEF AT -----	DEF AT 5
28580 /28268	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
28880 /28498	POS AT Cyclamina sp. (local marker)	DEF AT 5
29000 /28589	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
29060 /28635	DEF AT -----	DEF IN 5
29180 /28727	DEF AT -----	DEF AT 5
29300 /28819	DEF AT local marker foram increase	DEF AT 6
29510 /28980	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 507  
Lease Number: G22970  
Well Name: 002  
API Well Number: 608114059701  
Paleo Report Num: 1 of 1  
Public Info Code: Y 17-OCT-2013

Date of Summary: 01-JAN-2013  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 26000 - 34809  
Ecozone Eq MMS: Y

First Sample Examined: 26000  
Borehole MD: 34809  
Borehole TVD: 33085  
Rkb Elevation: 85  
Water Depth: 4028  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29660 /29094	DEF AT -----	DEF AT 5
29959 /29323	DEF AT transported outer shelf facies	POS AT 5
29960 /29324	DEF AT local marker benthic foram increase	POS AT 5
30080 /29415	DEF AT -----	DEF IN 5
30200 /29507	DEF AT -----	DEF AT 5
30220 /29523	DEF AT -----	DEF AT 6
30440 /29692	DEF AT -----	DEF AT 6
30560 /29784	DEF AT -----	DEF AT 5
30620 /29830	DEF AT -----	DEF IN 5
30740 /29923	DEF AT -----	DEF AT 6
30980 /30109	DEF AT -----	DEF AT 5
31249 /30317	DEF AT reworked material	POS AT 6
31250 /30318	DEF AT transported shelf fauna	POS AT 6
31489 /30504	DEF AT transported outer shelf facies	POS AT 6
31490 /30505	DEF AT local marker foram decrease	POS AT 6
31790 /30739	DEF AT -----	DEF AT 5
32030 /30926	DEF AT local marker planktic foram increase	DEF AT 5
32060 /30949	DEF AT -----	DEF AT 6
32090 /30973	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
32149 /31019	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
32150 /31020	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
32510 /31301	DEF AT -----	DEF IN 5
32870 /31582	DEF AT -----	DEF AT 5
33170 /31814	DEF AT -----	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 507	Date of Summary: 01-JAN-2013	First Sample Examined: 26000
Lease Number: G22970	Source of Paleo: OPERATOR	Borehole MD: 34809
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 33085
API Well Number: 608114059701	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 26000 - 34809	Water Depth: 4028
Public Info Code: Y 17-OCT-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
33230 /31861	DEF AT -----	DEF AT 5
33290 /31907	DEF AT transported outer shelf facies	POS AT 5
33590 /32140	DEF AT -----	DEF AT 6
33770 /32280	DEF AT transported outer shelf facies	POS AT 6
34010 /32466	DEF AT -----	DEF IN 5
34400 /32768	DEF AT -----	DEF AT 6
34429 /32790	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
34430 /32791	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 6
34490 /32837	DEF AT -----	DEF IN 5
34808 /33084	DEF AT Arenaceous fauna (local marker)	DEF IN 5
34809 /33085	DEF AT last sample examined	DEF IN 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 511	Date of Summary: 01-MAY-2010	First Sample Examined: 22637
Lease Number: G22971	Source of Paleo: OPERATOR	Borehole MD: 26874
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26578
API Well Number: 608114056100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 22637 - 26874	Water Depth: 3830
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22637 /22500	DEF AT first sample examined	DEF AT 6
22638 /22501	POS IN gouge	DEF AT 6
22650 /22513	DEF AT Middle Eocene	DEF AT 6
22679 /22541	DEF AT Lower Oligocene	DEF AT 6
22680 /22542	DEF AT foram flood	DEF AT 6
23010 /22860	DEF AT gouge	POS AT 6
23160 /23004	DEF AT base of salt	POS AT 6
23310 /23149	POS AT Upper Miocene (Tortonian) Bolivina thalmani	POS AT 6
23370 /23207	DEF AT out-of-place section	POS AT 6
23640 /23467	DEF AT pyrite	POS AT 6
23849 /23669	POS AT transported shelf fauna	DEF AT 4
23850 /23670	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 4
24000 /23814	DEF AT Arenaceous fauna (local marker)	POS IN 4
24150 /23958	DEF AT - - - - -	POS AT 4
24360 /24160	DEF AT reworked material	POS AT 4
25650 /25401	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
25710 /25458	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	POS AT 4
25919 /25659	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
25920 /25660	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
26647 /26360	DEF AT local marker foram increase	DEF AT 5
26670 /26382	DEF AT - - - - -	DEF IN 4
26874 /26578	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 511	Date of Summary: 01-MAY-2010	First Sample Examined: 22637
Lease Number: G22971	Source of Paleo: OPERATOR	Borehole MD: 26874
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26578
API Well Number: 608114056100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 22637 - 26880	Water Depth: 3830
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22637 /22500	DEF AT first sample examined	DEF AT
22638 /22501	DEF IN out-of-place section	DEF AT
22680 /22542	DEF AT gouge	DEF AT
23099 /22946	DEF AT base of salt	DEF AT
23100 /22946	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
23310 /23149	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
23400 /23236	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
23610 /23438	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
24270 /24074	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
25410 /25170	POS AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
25530 /25285	DEF AT reworked material	DEF AT
25800 /25545	DEF AT reworked material	DEF AT
26040 /25776	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26874 /26578	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 511	Date of Summary: 01-MAY-2010	First Sample Examined: 26410
Lease Number: G22971	Source of Paleo: OPERATOR	Borehole MD: 30002
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29600
API Well Number: 608114056101	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 26410 - 30002	Water Depth: 3831
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26410 /26132	DEF AT first sample examined	DEF AT
26640 /26354	POS AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
27330 /27028	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27360 /27058	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
27447 /27142	POS AT maximum flooding surface	DEF AT
27448 /27143	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
27449 /27144	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
27450 /27145	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
27810 /27491	DEF AT local marker floral increase	DEF AT
28110 /27779	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
28410 /28068	DEF AT local marker floral increase	DEF AT
28470 /28126	DEF AT local marker floral increase	DEF AT
30002 /29600	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 511	Date of Summary: 01-MAY-2010	First Sample Examined: 26580
Lease Number: G22971	Source of Paleo: OPERATOR	Borehole MD: 30002
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29600
API Well Number: 608114056101	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 26580 - 30002	Water Depth: 3831
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26580 /26295	DEF AT first sample examined	DEF AT 4
26639 /26353	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
26640 /26354	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
26850 /26559	DEF AT sand	DEF IN 4
26939 /26647	DEF AT Arenaceous fauna (local marker)	DEF AT 5
27120 /26824	DEF AT local marker foram increase	DEF AT 5
27150 /26853	DEF AT -----	DEF AT 4
27210 /26912	DEF AT sand	POS AT 5
27270 /26970	DEF AT -----	POS AT 4
27390 /27087	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 4
27420 /27116	DEF AT pyrite	POS AT 5
27510 /27202	DEF AT -----	POS AT 4
27720 /27404	DEF AT -----	DEF AT 5
27840 /27519	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
27930 /27606	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 4
28109 /27778	DEF AT local marker benthic foram increase	POS AT 5
28110 /27779	DEF AT local marker planktic foram increase	POS AT 5
28200 /27866	DEF AT -----	DEF AT 4
28410 /28068	DEF AT local marker planktic foram increase	DEF AT 4
28530 /28184	DEF AT -----	DEF AT 5
28590 /28241	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
28770 /28415	POS AT local marker planktic foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 511	Date of Summary: 01-MAY-2010	First Sample Examined: 26580
Lease Number: G22971	Source of Paleo: OPERATOR	Borehole MD: 30002
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29600
API Well Number: 608114056101	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 26580 - 30002	Water Depth: 3831
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28800 /28443	DEF AT -----	DEF AT 4
28980 /28617	DEF AT -----	POS AT 5
29040 /28675	DEF AT -----	DEF AT 4
29100 /28733	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
29130 /28761	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
29190 /28819	DEF AT -----	POS AT 5
29250 /28877	DEF AT local marker planktic foram increase	POS AT 5
29340 /28964	DEF AT -----	DEF AT 4
29400 /29022	DEF AT pyrite	DEF AT 4
29460 /29080	DEF AT local marker planktic foram increase	DEF AT 4
29850 /29455	DEF AT -----	POS AT 5
29880 /29483	DEF AT pyrite	DEF AT 5
29910 /29512	DEF AT -----	DEF AT 4
30002 /29600	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 512	Date of Summary: 09-JAN-2006	First Sample Examined: 6740
Lease Number: G26315	Source of Paleo: OPERATOR	Borehole MD: 8779
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8778
API Well Number: 608114044000	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 6740 - 7650	Water Depth: 3557
Public Info Code: Y 22-APR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Knotty Head Prospect, consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6740 / 6740	DEF AT first sample examined	DEF AT 5
6750 / 6750	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
7020 / 7020	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
7050 / 7050	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
7139 / 7139	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
7140 / 7140	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
7226 / 7226	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7227 / 7227	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
7228 / 7228	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7229 / 7229	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
7230 / 7230	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
7319 / 7319	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT 5
7320 / 7320	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
7350 / 7350	DEF AT - - - - -	POS AT 5
7650 / 7649	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 512	Date of Summary: 23-FEB-2006	First Sample Examined: 22080
Lease Number: G26315	Source of Paleo: OPERATOR	Borehole MD: 29672
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29668
API Well Number: 608114044001	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 22080 - 29670	Water Depth: 3557
Public Info Code: Y 06-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

Remark: Knotty Head Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22080 /22079	DEF AT first sample examined	DEF AT
22108 /22107	DEF AT base of salt	DEF AT
22110 /22109	DEF AT out-of-place section	DEF AT
22140 /22139	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22200 /22199	POS AT reworked material	DEF AT
22260 /22259	DEF AT local marker floral increase	DEF AT
22589 /22588	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
22590 /22589	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22890 /22889	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
22950 /22949	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23700 /23699	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
24180 /24179	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
24960 /24959	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26040 /26039	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
26400 /26399	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26609 /26608	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
26610 /26609	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
27390 /27388	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
27420 /27418	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
27510 /27508	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
27570 /27568	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
28259 /28256	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 512	<b>Date of Summary:</b> 23-FEB-2006	<b>First Sample Examined:</b> 22080
<b>Lease Number:</b> G26315	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29672
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29668
<b>API Well Number:</b> 608114044001	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 22080 - 29670	<b>Water Depth:</b> 3557
<b>Public Info Code:</b> Y 06-SEP-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28260 /28257	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
28710 /28706	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
29100 /29096	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
29670 /29666	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 512	Date of Summary: 23-FEB-2006	First Sample Examined: 29338
Lease Number: G26315	Source of Paleo: OPERATOR	Borehole MD: 34189
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 34158
API Well Number: 608114044002	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 29338 - 34189	Water Depth: 3557
Public Info Code: Y 10-JAN-2016	Ecozone Eq MMS:	Paleo ID: 001

Remark: Knotty Head Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29338 /29319	DEF AT first sample examined	DEF AT
29790 /29768	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
29880 /29858	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
30300 /30276	DEF AT local marker floral increase	DEF AT
30900 /30875	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
31325 /31298	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
32010 /31982	DEF AT local marker floral increase	DEF AT
32100 /32072	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
32220 /32192	DEF AT local marker floral increase	DEF AT
33821 /33790	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
33900 /33869	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
34189 /34158	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 512	Date of Summary: 23-FEB-2006	First Sample Examined: 22050
Lease Number: G26315	Source of Paleo: OPERATOR	Borehole MD: 32986
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32061
API Well Number: 608114044003	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 22050 - 32986	Water Depth: 3557
Public Info Code: Y 18-MAR-2016	Ecozone Eq MMS:	Paleo ID: 001

Remark: Knotty Head Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
22050 /21996	DEF AT first sample examined	DEF AT
22080 /22023	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
22140 /22078	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22290 /22214	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
23040 /22895	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
23310 /23139	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23370 /23193	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
23400 /23220	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
24000 /23759	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
24540 /24248	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26850 /26339	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27180 /26639	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
29510 /28749	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
30990 /30112	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
31080 /30199	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
32090 /31180	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
32750 /31828	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
32986 /32061	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 516	Date of Summary: 23-OCT-2001	First Sample Examined: 0
Lease Number: G20074	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11745
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 11742
API Well Number: 608114030101	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3839
Public Info Code: Y 02-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** 10500 to 11745 represents a mixed assemblage including Globorotalia miocenica, Globoquadrina altispira, Discoaster surculus, Discoaster pentaradiatus, Discoaster brouweri and sporadic Calcidiscus macintyreii, probably all reworked fauna

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8406 / 8406	DEF AT first sample examined	DEF AT
8520 / 8520	DEF AT sample gap top	DEF AT
8694 / 8694	DEF AT sample gap bottom	DEF AT
8730 / 8730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9750 / 9748	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10170 /10168	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10500 /10498	DEF AT out-of-place section	DEF AT
11745 /11742	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 517	Date of Summary: 19-SEP-2008	First Sample Examined: 7512
Lease Number: G05923	Source of Paleo: OPERATOR	Borehole MD: 13110
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12183
API Well Number: 608114051600	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 7512 - 13110	Water Depth: 3908
Public Info Code: Y 25-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7512 / 7512	DEF AT first sample examined	DEF AT 5
7560 / 7560	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
7740 / 7740	DEF AT reworked material	DEF AT 5
7800 / 7800	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9170 / 9153	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
9919 / 9834	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
9920 / 9834	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
10010 / 9908	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
10040 / 9932	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
11570 /11047	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
11599 /11069	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
11600 /11069	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
11630 /11092	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
12079 /11423	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
12080 /11423	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
12200 /11512	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12530 /11755	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
12558 /11776	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
12559 /11777	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12560 /11777	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12770 /11932	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
12800 /11954	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 517	<b>Date of Summary:</b> 19-SEP-2008	<b>First Sample Examined:</b> 7512
<b>Lease Number:</b> G05923	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13110
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12183
<b>API Well Number:</b> 608114051600	<b>Drilling Operator:</b> ENI US OPERATING CO INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7512 - 13110	<b>Water Depth:</b> 3908
<b>Public Info Code:</b> Y 25-DEC-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12890 /12021	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
13039 /12130	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
13040 /12131	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
13110 /12183	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 518	Date of Summary: 26-FEB-2004	First Sample Examined: 7870
Lease Number: G21801	Source of Paleo: OPERATOR	Borehole MD: 26975
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26213
API Well Number: 608114039400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7870 - 26930	Water Depth: 3993
Public Info Code: Y 24-FEB-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7870 / 7869	DEF AT first sample examined	DEF AT 5
9970 / 9969	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10540 /10539	DEF AT salt	POS AT 5
24260 /23504	DEF AT base of salt	POS AT 5
24380 /23623	DEF AT faunal change (no faunal increase)	DEF AT 5
24860 /24102	DEF AT out-of-place section	POS AT 5
25400 /24639	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
26120 /25358	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
26270 /25508	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
26810 /26048	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
26930 /26168	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 26-FEB-2004	<b>First Sample Examined:</b> 7870
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26975
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26213
<b>API Well Number:</b> 608114039400	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7870 - 26930	<b>Water Depth:</b> 3993
<b>Public Info Code:</b> Y 24-FEB-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7870 / 7869	DEF AT first sample examined	DEF AT
8980 / 8979	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9940 / 9939	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10570 /10569	DEF IN salt	DEF AT
24290 /23534	DEF AT base of salt	DEF AT
24291 /23535	DEF AT out-of-place section	DEF AT
24350 /23594	DEF AT local marker floral increase	DEF AT
24800 /24042	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
24890 /24132	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
25010 /24251	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
25040 /24281	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
25250 /24490	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25580 /24818	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
25820 /25058	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
26360 /25598	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
26870 /26108	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26930 /26168	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 29-NOV-2004	<b>First Sample Examined:</b> 25630
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27513
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26408
<b>API Well Number:</b> 608114042600	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 25630 - 27513	<b>Water Depth:</b> 4035
<b>Public Info Code:</b> Y 08-NOV-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25630 /24527	DEF AT first sample examined	DEF AT 5
25631 /24528	DEF AT base of salt	DEF AT 5
26110 /25007	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
26470 /25366	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
26950 /25846	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
27513 /26408	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 518	Date of Summary: 29-NOV-2004	First Sample Examined: 25630
Lease Number: G21801	Source of Paleo: OPERATOR	Borehole MD: 27513
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26408
API Well Number: 608114042600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 25630 - 27513	Water Depth: 4035
Public Info Code: Y 08-NOV-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25630 /24527	DEF AT first sample examined	DEF AT
25631 /24528	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
26330 /25226	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
26680 /25576	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
26770 /25666	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
26920 /25816	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
26969 /25865	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26970 /25866	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
27513 /26408	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 518  
Lease Number: G21801  
Well Name: 004  
API Well Number: 608114042601  
Paleo Report Num: 1 of 2  
Public Info Code: Y 07-DEC-2014

Date of Summary: 29-NOV-2004  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 27500 - 29873  
Ecozone Eq MMS: Y

First Sample Examined: 27500  
Borehole MD: 29874  
Borehole TVD: 28754  
Rkb Elevation: 82  
Water Depth: 4035  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27500 /26381	DEF AT first sample examined	DEF AT 5
28699 /27580	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
28700 /27581	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
28940 /27820	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
29090 /27970	DEF AT out-of-place section	DEF AT 5
29150 /28030	DEF AT -----	DEF AT 4
29360 /28240	DEF AT -----	DEF AT 3
29420 /28300	DEF AT out-of-place section	POS AT 2
29600 /28480	DEF AT out-of-place section	POS AT 1
29749 /28629	POS AT Jurassic	POS AT 1
29750 /28630	DEF AT salt	POS AT 1
29873 /28753	DEF AT last sample examined	POS AT 1

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End Date: 01-DEC-2016

Area Block: GC 518	Date of Summary: 29-NOV-2004	First Sample Examined: 27500
Lease Number: G21801	Source of Paleo: OPERATOR	Borehole MD: 29874
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28754
API Well Number: 608114042601	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 27500 - 29873	Water Depth: 4035
Public Info Code: Y 07-DEC-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27500 /26381	DEF AT first sample examined	DEF AT
28370 /27251	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
28550 /27431	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
28850 /27730	POS AT local marker floral increase	DEF AT
28939 /27819	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
28940 /27820	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
29090 /27970	DEF AT out-of-place section	DEF AT
29300 /28180	POS IN Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT
29749 /28629	DEF AT oxidized shale	DEF AT
29750 /28630	DEF AT salt	DEF AT
29873 /28753	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 518	Date of Summary: 28-OCT-2003	First Sample Examined: 7680
Lease Number: G21801	Source of Paleo: OPERATOR	Borehole MD: 24320
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23785
API Well Number: 608114037700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7680 - 24320	Water Depth: 4047
Public Info Code: Y 12-OCT-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7680 / 7680	DEF AT first sample examined	DEF AT 5
7900 / 7900	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9340 / 9339	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "A")	DEF AT 5
9700 / 9699	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
9939 / 9938	DEF AT anhydrite	DEF AT 5
9940 / 9939	DEF AT salt	DEF AT 5
10300 /10299	DEF AT sample gap top	DEF AT
16480 /16302	DEF AT sample gap bottom	DEF AT
16570 /16382	DEF AT salt stringer	DEF AT
17710 /17409	DEF AT sample gap top	DEF AT
24299 /23764	DEF AT sample gap bottom	DEF AT
24300 /23765	DEF AT base of salt	DEF AT
24320 /23785	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 518	Date of Summary: 28-OCT-2003	First Sample Examined: 7680
Lease Number: G21801	Source of Paleo: OPERATOR	Borehole MD: 24320
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23785
API Well Number: 608114037700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7680 - 24320	Water Depth: 4047
Public Info Code: Y 12-OCT-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7680 / 7680	DEF AT first sample examined	DEF AT
8140 / 8139	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8650 / 8649	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9370 / 9369	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9940 / 9939	DEF AT salt	DEF AT
10300 /10299	DEF AT sample gap top	DEF AT
16479 /16301	DEF AT sample gap bottom	DEF AT
16480 /16302	DEF IN salt	DEF AT
16509 /16328	DEF AT salt stringer	DEF AT
16510 /16329	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16570 /16382	DEF AT out-of-place section	DEF AT
17710 /17409	DEF AT sample gap top	DEF AT
24299 /23764	DEF AT sample gap bottom	DEF AT
24300 /23765	DEF IN salt	DEF AT
24320 /23785	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 28-OCT-2003	<b>First Sample Examined:</b> 24320
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26641
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26103
<b>API Well Number:</b> 608114037701	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24320 - 26641	<b>Water Depth:</b> 4047
<b>Public Info Code:</b> Y 13-NOV-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24320 /23783	DEF AT first sample examined	DEF AT 5
25270 /24733	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25360 /24823	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26290 /25752	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26641 /26103	DEF AT last sample examined	DEF AT 5

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End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 28-OCT-2003	<b>First Sample Examined:</b> 24320
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26641
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26103
<b>API Well Number:</b> 608114037701	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 24320 - 26641	<b>Water Depth:</b> 4047
<b>Public Info Code:</b> Y 13-NOV-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24320 /23783	DEF AT first sample examined	DEF AT
25120 /24583	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25150 /24613	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26440 /25902	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
26641 /26103	DEF AT last sample examined	DEF AT



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End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 06-JAN-2004	<b>First Sample Examined:</b> 26040
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26700
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26161
<b>API Well Number:</b> 608114037702	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 26040 - 26700	<b>Water Depth:</b> 4047
<b>Public Info Code:</b> Y 08-DEC-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26040 /25503	DEF AT first sample examined	DEF AT 5
26250 /25712	POS AT maximum flooding surface	DEF AT 5
26340 /25801	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26700 /26161	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 06-JAN-2004	<b>First Sample Examined:</b> 26040
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26700
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26161
<b>API Well Number:</b> 608114037702	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 26040 - 26700	<b>Water Depth:</b> 4047
<b>Public Info Code:</b> Y 08-DEC-2013	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26040 /25503	DEF AT first sample examined	DEF AT
26670 /26131	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
26700 /26161	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 518	Date of Summary: 10-MAY-2004	First Sample Examined: 24200
Lease Number: G21801	Source of Paleo: OPERATOR	Borehole MD: 29180
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28462
API Well Number: 608114039401	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 24200 - 29180	Water Depth: 3993
Public Info Code: Y 28-MAY-2014	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24200 /23490	DEF AT first sample examined	POS AT 5
24201 /23491	DEF IN salt	POS AT 5
24349 /23639	DEF AT base of salt	POS AT 5
24350 /23640	DEF AT out-of-place section	POS AT 5
24470 /23760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
24680 /23970	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
24710 /24000	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
24740 /24030	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
24800 /24090	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
24860 /24150	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
25040 /24330	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
25130 /24420	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
25460 /24750	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
25729 /25019	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
25730 /25020	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
26179 /25469	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
26180 /25470	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
26600 /25889	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
26900 /26189	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
26990 /26279	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
27049 /26338	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
27050 /26339	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 10-MAY-2004	<b>First Sample Examined:</b> 24200
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29180
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 28462
<b>API Well Number:</b> 608114039401	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 24200 - 29180	<b>Water Depth:</b> 3993
<b>Public Info Code:</b> Y 28-MAY-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27290 /26579	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
27650 /26938	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
27800 /27088	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
28250 /27537	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 5
28280 /27567	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
28340 /27626	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
28790 /28074	POS IN Middle Miocene (Langhian) Discoaster calcosus	DEF AT 5
29180 /28462	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 14-JAN-2005	<b>First Sample Examined:</b> 23830
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24680
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23889
<b>API Well Number:</b> 608114042300	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 23830 - 24680	<b>Water Depth:</b> 4048
<b>Public Info Code:</b> Y 30-DEC-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23830 /23047	DEF AT first sample examined	DEF AT
23831 /23048	DEF IN salt	DEF AT
24009 /23224	DEF AT base of salt	DEF AT 6
24010 /23225	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
24070 /23285	DEF AT - - - - -	DEF AT 5
24580 /23790	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
24680 /23889	DEF AT last sample examined	DEF AT 5

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End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 14-JAN-2005	<b>First Sample Examined:</b> 23830
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24680
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23889
<b>API Well Number:</b> 608114042300	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 23830 - 24680	<b>Water Depth:</b> 4048
<b>Public Info Code:</b> Y 30-DEC-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23830 /23047	DEF AT first sample examined	DEF AT
23831 /23048	DEF IN salt	DEF AT
24009 /23224	DEF AT base of salt	DEF AT
24010 /23225	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
24070 /23285	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
24490 /23700	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
24520 /23730	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
24680 /23889	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 518	<b>Date of Summary:</b> 14-JAN-2005	<b>First Sample Examined:</b> 24480
<b>Lease Number:</b> G21801	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27273
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26449
<b>API Well Number:</b> 608114042301	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24480 - 26839	<b>Water Depth:</b> 4049
<b>Public Info Code:</b> Y 23-JAN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24480 /23691	DEF AT first sample examined	DEF AT 5
24590 /23800	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
24790 /23999	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
25180 /24388	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25510 /24716	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
26080 /25277	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26839 /26023	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 518	Date of Summary: 14-JAN-2005	First Sample Examined: 24480
Lease Number: G21801	Source of Paleo: OPERATOR	Borehole MD: 27273
Well Name: SS003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26449
API Well Number: 608114042301	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 24480 - 26839	Water Depth: 4049
Public Info Code: Y 23-JAN-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24480 /23691	DEF AT first sample examined	DEF AT
24481 /23692	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
24535 /23745	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
24820 /24028	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25150 /24358	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25209 /24417	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25210 /24418	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25750 /24953	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26350 /25543	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
26839 /26023	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 534	Date of Summary: 22-SEP-2003	First Sample Examined: 7040
Lease Number: G22974	Source of Paleo: OPERATOR	Borehole MD: 23254
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23250
API Well Number: 608114035800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7040 - 23254	Water Depth: 3864
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 7040	DEF AT first sample examined	DEF AT 4
8210 / 8209	DEF AT - - - - -	DEF AT 5
8360 / 8359	DEF AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 5
11540 /11539	DEF AT Lower Pleistocene (Calabrian) <i>Globorotalia incisa</i>	DEF AT 5
13370 /13369	DEF AT Lower Pleistocene (Calabrian) <i>Hyalinea "B" = Trimosina "B"</i>	DEF AT 5
13670 /13669	DEF AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens (acme "B")</i>	DEF AT 5
13700 /13699	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia praehirsuta</i>	DEF AT 5
15860 /15858	POS AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 5
17570 /17567	DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 5
18320 /18317	DEF AT Upper Pliocene (Piacenzian) <i>Sphaeroidinellopsis seminulina</i>	DEF AT 5
18830 /18827	POS IN Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF AT 5
18890 /18887	POS AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 5
18919 /18916	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi / nepenthes "B"</i>	DEF AT 5
18920 /18917	POS AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 5
19430 /19426	DEF AT Bathysiphon fauna	DEF AT 5
19580 /19576	DEF AT Lower Pliocene (Zanclian) <i>Sphaeroidinellopsis multiloba</i>	DEF IN 5
19610 /19606	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF IN 5
20130 /20126	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF IN 5
20730 /20726	DEF AT Upper Miocene (Messinian) <i>Globorotalia margaritae primitiva</i>	DEF IN 5
20820 /20816	DEF AT Upper Miocene (Tortonian) <i>Globorotalia linguaensis</i>	DEF IN 5
21000 /20996	DEF AT - - - - -	DEF AT 5
21270 /21266	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 534	Date of Summary: 22-SEP-2003	First Sample Examined: 7040
Lease Number: G22974	Source of Paleo: OPERATOR	Borehole MD: 23254
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23250
API Well Number: 608114035800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7040 - 23254	Water Depth: 3864
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21300 /21296	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
21360 /21356	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
21600 /21596	DEF AT sample gap top	POS AT 6
21899 /21895	DEF AT sample gap bottom	POS AT 6
21900 /21896	POS AT out-of-place section	POS AT 6
22200 /22196	DEF AT - - - - -	DEF AT 5
22860 /22855	DEF AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF AT 5
22950 /22945	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 6
23010 /23005	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
23130 /23125	DEF AT - - - - -	DEF AT 5
23254 /23249	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 534	Date of Summary: 22-SEP-2003	First Sample Examined: 7040
Lease Number: G22974	Source of Paleo: OPERATOR	Borehole MD: 23254
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23250
API Well Number: 608114035800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7040 - 23254	Water Depth: 3864
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, the interval 21900-22080 may define a reverse section with the oldest age-diagnostic nannos observed, 21540, 21960, 22110 and 22140 are significant reoccurrences of the diagnostic fossil noted

MD / TVD	Paleo Top Description	Ecozone
7040 / 7040	DEF AT first sample examined	DEF AT
8330 / 8329	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11480 /11479	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11540 /11539	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13670 /13669	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14960 /14958	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15740 /15738	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15860 /15858	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15890 /15888	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17570 /17567	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18320 /18317	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18530 /18527	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18650 /18647	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
18920 /18917	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19580 /19576	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20190 /20186	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
20790 /20786	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20880 /20876	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20910 /20906	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20940 /20936	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21000 /20996	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 534	Date of Summary: 22-SEP-2003	First Sample Examined: 7040
Lease Number: G22974	Source of Paleo: OPERATOR	Borehole MD: 23254
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23250
API Well Number: 608114035800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7040 - 23254	Water Depth: 3864
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21209 /21205	POS AT salt weld	DEF AT
21210 /21206	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21390 /21386	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21540 /21536	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21600 /21596	DEF AT sample gap top	DEF AT
21899 /21895	DEF AT sample gap bottom	DEF AT
21900 /21896	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21960 /21956	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
22050 /22046	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22110 /22106	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
22140 /22136	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22230 /22226	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22500 /22496	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22740 /22736	DEF AT salt	DEF AT
22800 /22796	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
22830 /22826	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
23254 /23249	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 555	Date of Summary: 04-MAY-2010	First Sample Examined: 21340
Lease Number: G22979	Source of Paleo: OPERATOR	Borehole MD: 25600
Well Name: 001	Paleo Done By: MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	Borehole TVD: 25187
API Well Number: 608114056300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 21340 - 24010	Water Depth: 3751
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Double Mountain Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21340 /21314	DEF AT first sample examined	DEF AT
21341 /21315	DEF IN out-of-place section	DEF AT
21370 /21343	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
21580 /21544	DEF AT sample gap top	DEF AT
21670 /21629	DEF AT sample gap bottom	DEF AT
22120 /22050	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22540 /22436	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
23260 /23085	DEF AT sequence boundary	DEF AT
23350 /23166	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
23740 /23516	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23770 /23543	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
24010 /23758	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 555	Date of Summary: 10-MAY-2010	First Sample Examined: 23577
Lease Number: G22979	Source of Paleo: OPERATOR	Borehole MD: 33815
Well Name: 001	Paleo Done By: MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	Borehole TVD: 32608
API Well Number: 608114056301	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 23577 - 33815	Water Depth: 3751
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Double Mountain Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23577 /23373	DEF AT first sample examined	DEF AT
23739 /23523	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
23740 /23524	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23770 /23552	DEF AT unconformity	DEF AT
23800 /23580	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
24820 /24549	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
25660 /25350	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
25690 /25379	DEF AT local marker floral increase	DEF AT
26170 /25830	POS AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
26500 /26136	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26620 /26246	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
27820 /27306	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
28420 /27828	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
28990 /28324	DEF AT local marker floral increase	DEF AT
29049 /28375	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
29050 /28376	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
29440 /28715	POS AT local marker floral increase	DEF AT
29650 /28897	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
30760 /29864	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
31060 /30127	DEF AT reworked material	DEF AT
32710 /31592	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
32769 /31645	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 555	<b>Date of Summary:</b> 10-MAY-2010	<b>First Sample Examined:</b> 23577
<b>Lease Number:</b> G22979	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33815
<b>Well Name:</b> 001	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 32608
<b>API Well Number:</b> 608114056301	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 23577 - 33815	<b>Water Depth:</b> 3751
<b>Public Info Code:</b> Y 18-AUG-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32770 /31646	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
33000 /31849	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
33030 /31876	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
33270 /32087	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
33509 /32295	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
33510 /32295	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
33660 /32426	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
33750 /32504	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
33780 /32530	POS AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
33815 /32560	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 01-SEP-1999	First Sample Examined: 21440
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25971
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25230
API Well Number: 608114024601	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 21440 - 25970	Water Depth: 3979
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21440 /21399	DEF AT first sample examined	DEF AT
21441 /21400	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21500 /21459	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21560 /21518	DEF AT reworked material	DEF AT
21590 /21548	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21710 /21666	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
21890 /21839	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
23060 /22845	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23180 /22942	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
23240 /22990	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
23300 /23038	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
23360 /23087	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23480 /23183	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
23540 /23231	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23600 /23280	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23810 /23448	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23811 /23449	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24230 /23784	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
24440 /23955	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
24650 /24127	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
24680 /24152	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
24770 /24227	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 562	<b>Date of Summary:</b> 01-SEP-1999	<b>First Sample Examined:</b> 21440
<b>Lease Number:</b> G11075	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25971
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25230
<b>API Well Number:</b> 608114024601	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 21440 - 25970	<b>Water Depth:</b> 3979
<b>Public Info Code:</b> Y 21-OCT-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25220 /24602	DEF AT reworked material	DEF AT
25250 /24627	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25600 /24920	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
25917 /25185	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25918 /25186	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
25919 /25187	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
25940 /25204	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
25970 /25229	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 01-OCT-1999	First Sample Examined: 21440
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25971
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25230
API Well Number: 608114024601	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 21440 - 25970	Water Depth: 3979
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21440 /21399	DEF AT first sample examined	DEF AT 5
21441 /21400	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
21530 /21489	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21590 /21548	DEF AT faunal change (no faunal increase)	DEF AT 4
21680 /21636	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21730 /21685	DEF AT - - - - -	DEF IN 4
21950 /21896	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF IN 4
22220 /22145	DEF AT Arenaceous fauna (local marker)	DEF IN 4
22280 /22199	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 4
22700 /22555	DEF AT local marker foram increase	DEF IN 4
22760 /22603	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
22820 /22652	DEF AT Arenaceous fauna (local marker)	DEF IN 4
22940 /22748	DEF AT local marker foram increase	DEF IN 4
23240 /22990	DEF AT local marker foram increase	DEF IN 4
23270 /23014	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
23390 /23111	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 5
23660 /23328	DEF AT faunal change (no faunal increase)	DEF IN 4
24080 /23664	DEF AT local marker foram increase	DEF IN 4
24530 /24029	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4
24650 /24127	DEF AT local marker foram increase	DEF IN 4
25130 /24527	DEF AT - - - - -	DEF AT 4
25220 /24602	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 562	<b>Date of Summary:</b> 01-OCT-1999	<b>First Sample Examined:</b> 21440
<b>Lease Number:</b> G11075	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25971
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25230
<b>API Well Number:</b> 608114024601	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 21440 - 25970	<b>Water Depth:</b> 3979
<b>Public Info Code:</b> Y 21-OCT-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25250 /24627	DEF AT local marker foram increase	DEF IN 4
25400 /24753	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF IN 4
25460 /24803	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 4
25720 /25020	DEF AT Arenaceous fauna (local marker)	DEF AT 5
25940 /25204	DEF AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF AT 5
25970 /25229	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 562	<b>Date of Summary:</b> 17-SEP-2002	<b>First Sample Examined:</b> 7040
<b>Lease Number:</b> G11075	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15572
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15564
<b>API Well Number:</b> 608114033600	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7040 - 15565	<b>Water Depth:</b> 3926
<b>Public Info Code:</b> Y 07-JUL-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 7040	DEF AT first sample examined	DEF AT 5
7550 / 7550	DEF AT - - - - -	DEF IN 5
7880 / 7880	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
7940 / 7940	DEF AT - - - - -	DEF AT 5
8300 / 8300	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8840 / 8840	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9320 / 9320	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
9560 / 9560	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9800 / 9800	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10160 /10160	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10220 /10220	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10370 /10370	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10519 /10519	DEF AT anhydrite	DEF AT 5
10520 /10520	DEF AT salt	DEF AT 5
15565 /15565	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 17-SEP-2002	First Sample Examined: 7040
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 15572
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15564
API Well Number: 608114033600	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 7040 - 15565	Water Depth: 3926
Public Info Code: Y 07-JUL-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 15165=shale stringer in salt with *Cyclicargolithus floridanus* and *Discoaster bollii* indicating probable Middle Miocene age, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 7040	DEF AT first sample examined	DEF AT
7550 / 7550	DEF AT Middle Pleistocene (Ionian) <i>Pseudoemiliana lacunosa</i> "B"	DEF AT
8570 / 8570	DEF AT Lower Pleistocene (Calabrian) <i>Gephyrocapsa caribbeanica</i> (large)	DEF AT
8840 / 8840	DEF AT Lower Pleistocene (Calabrian) <i>Helicosphaera sellii</i>	DEF AT
9560 / 9560	DEF AT Upper Pliocene (Gelasian) <i>Discoaster brouweri</i>	DEF AT
9920 / 9920	POS AT Upper Pliocene (Gelasian) <i>Discoaster brouweri</i> "A"	DEF AT
10100 /10100	POS AT Upper Pliocene (Gelasian) <i>Discoaster pentaradiatus</i>	DEF AT
10160 /10160	POS AT Upper Pliocene (Gelasian) <i>Discoaster surculus</i>	DEF AT
10220 /10220	DEF AT Lower Pliocene (Zanclian) <i>Reticulofenestra pseudoumbilica</i>	DEF AT
10250 /10250	DEF AT Lower Pliocene (Zanclian) <i>Pseudosphenolithus abies</i> "B" (acme)	DEF AT
10340 /10340	DEF AT Upper Miocene (Messinian) <i>Discoaster berggrenii</i> "A"	DEF AT
10370 /10370	DEF AT Upper Miocene (Tortonian) <i>Discoaster neohamatus</i>	DEF AT
10400 /10400	POS AT salt	DEF AT
10460 /10460	DEF AT salt	DEF AT
15165 /15157	POS AT Middle Miocene	DEF AT
15565 /15557	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 17-SEP-2002	First Sample Examined: 15565
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25701
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25669
API Well Number: 608114033601	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 15565 - 25610	Water Depth: 3933
Public Info Code: Y 10-SEP-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15565 /15557	DEF AT first sample examined	DEF AT 5
15566 /15558	DEF IN salt	DEF AT 5
21192 /21181	DEF AT base of salt	DEF AT 4
21260 /21249	POS AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 4
21870 /21859	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
23220 /23208	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23370 /23358	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24150 /24135	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
24240 /24225	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
24270 /24255	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
24360 /24344	DEF AT faunal change (no faunal increase)	DEF AT 5
25560 /25530	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
25610 /25579	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 17-SEP-2002	First Sample Examined: 15565
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25701
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25669
API Well Number: 608114033601	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 15565 - 25610	Water Depth: 3933
Public Info Code: Y 10-SEP-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15565 /15557	DEF AT first sample examined	DEF AT
15566 /15558	DEF IN salt	DEF AT
21250 /21239	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21930 /21919	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
23220 /23208	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23700 /23687	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24180 /24165	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24270 /24255	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25380 /25353	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
25610 /25579	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 01-JUL-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 24280=rare Globigerinoides diminutus, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7020	DEF AT first sample examined	DEF AT 4
7260 / 7260	POS AT local marker foram increase	DEF AT 4
7500 / 7500	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 6
7620 / 7620	DEF AT faunal change (no faunal increase)	DEF AT 5
7680 / 7680	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8010 / 8010	DEF AT local marker planktic foram increase	DEF AT 5
8220 / 8220	DEF AT faunal change (no faunal increase)	DEF AT 4
8580 / 8580	DEF AT faunal change (no faunal increase)	POS AT 5
8880 / 8880	DEF AT faunal change (no faunal increase)	DEF AT 4
9120 / 9120	DEF AT faunal change (no faunal increase)	DEF AT 5
9180 / 9180	DEF AT local marker planktic foram increase	DEF AT 5
9300 / 9300	DEF AT faunal change (no faunal increase)	DEF AT 4
9480 / 9480	DEF AT faunal change (no faunal increase)	DEF AT 5
9510 / 9510	DEF AT local marker planktic foram increase	DEF AT 5
9750 / 9750	DEF AT faunal change (no faunal increase)	DEF IN 4
10080 /10080	DEF AT faunal change (no faunal increase)	DEF IN 3
10260 /10259	DEF AT faunal change (no faunal increase)	DEF AT 4
10410 /10409	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
10440 /10439	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
10620 /10619	DEF AT local marker foram increase	DEF IN 5
10740 /10739	DEF AT faunal change (no faunal increase)	DEF AT 5
10770 /10769	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 562	<b>Date of Summary:</b> 01-JUL-1999	<b>First Sample Examined:</b> 7020
<b>Lease Number:</b> G11075	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25624
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25564
<b>API Well Number:</b> 608114024600	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7020 - 25620	<b>Water Depth:</b> 3979
<b>Public Info Code:</b> Y 13-SEP-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11220 /11219	DEF AT local marker planktic foram increase	DEF AT 5
11490 /11489	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscons (acme "B")	DEF AT 6
11550 /11549	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 6
11610 /11609	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
11670 /11669	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 6
11730 /11729	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11910 /11909	DEF AT gypsum	DEF AT 6
12140 /12139	DEF AT salt	POS AT 6
21119 /21079	DEF AT base of salt	DEF AT 4
21120 /21080	POS AT Pliocene	DEF AT 4
21121 /21081	POS AT Miocene	DEF AT 4
21240 /21200	DEF AT faunal change (no faunal increase)	POS IN 3
21300 /21260	DEF AT faunal change (no faunal increase)	DEF AT 5
21370 /21330	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
21400 /21360	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21440 /21399	DEF AT faunal change (no faunal increase)	POS AT 5
21590 /21549	POS AT Upper Miocene (Tortonian) Textularia "G"	POS AT 5
21680 /21639	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	POS AT 5
21800 /21758	DEF AT faunal change (no faunal increase)	DEF AT 5
21870 /21828	DEF AT Arenaceous fauna (local marker)	DEF AT 5
21930 /21888	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
22080 /22037	DEF AT faunal change (no faunal increase)	DEF AT 4
22280 /22236	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
22700 /22654	DEF AT Arenaceous fauna (local marker)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562  
Lease Number: G11075  
Well Name: SS001  
API Well Number: 608114024600  
Paleo Report Num: 1 of 2  
Public Info Code: Y 13-SEP-2009

Date of Summary: 01-JUL-1999  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: CONOCO INC  
Sample Range: 7020 - 25620  
Ecozone Eq MMS: Y

First Sample Examined: 7020  
Borehole MD: 25624  
Borehole TVD: 25564  
Rkb Elevation: 79  
Water Depth: 3979  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23020 /22973	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23120 /23072	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
23170 /23122	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
23250 /23201	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
23380 /23331	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
23460 /23410	DEF AT faunal change (no faunal increase)	DEF IN 4
23560 /23510	DEF AT - - - - -	DEF AT 4
23780 /23729	DEF AT local marker foram increase	DEF AT 5
23840 /23789	DEF AT faunal change (no faunal increase)	DEF IN 4
23980 /23928	DEF AT Arenaceous fauna (local marker)	DEF IN 4
24039 /23987	DEF AT condensed section	DEF AT 5
24040 /23988	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
24060 /24008	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
24160 /24107	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
24200 /24147	DEF AT faunal change (no faunal increase)	DEF IN 4
24240 /24187	POS AT local marker planktic foram increase	DEF IN 5
24280 /24227	POS IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 5
24340 /24287	DEF AT - - - - -	DEF AT 5
24420 /24366	DEF AT faunal change (no faunal increase)	DEF IN 4
24580 /24525	DEF AT local marker foram increase	DEF AT 4
24710 /24655	DEF AT local marker planktic foram increase	DEF AT 4
24750 /24694	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
24810 /24754	DEF AT - - - - -	DEF IN 4
24870 /24814	DEF AT - - - - -	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 01-JUL-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25110 /25052	DEF AT - - - - -	DEF IN 4
25590 /25530	DEF AT Arenaceous fauna (local marker)	DEF IN 4
25620 /25560	DEF AT last sample examined	DEF IN 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 01-AUG-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 25410=Ericsonia fenestrata (reworked?), 25440=Helicosphaera compacta (reworked?), Coccolithus eopelagicus (reworked), still in Lower Miocene at TD - normally the consistent occurrence of Dictyococcites bisectus indicates the top of the global Oligocene, and is somewhat supported by the presence of the Lowermost Miocene LAD of Ericsonia fenestrata - the presence, however, of some reworked Eocene specimens in the sample at 25440 may indicate that the Dictyococcites bisectus specimens are also reworked - the lack of Spheniolithus ciperoensis (with the exception of a single specimen at 25350) and the lack of Dictyococcites bisectus below 25440 support this, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7020	DEF AT first sample examined	DEF AT
7380 / 7380	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
7500 / 7500	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7800 / 7800	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7950 / 7950	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9090 / 9090	DEF AT local marker floral increase	DEF AT
9180 / 9180	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10440 /10439	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
10500 /10499	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
10620 /10619	DEF AT reworked material	DEF AT
10740 /10739	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11130 /11129	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
11219 /11218	DEF AT reworked material	DEF AT
11220 /11219	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
11309 /11308	DEF AT reworked material	DEF AT
11310 /11309	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11459 /11458	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562  
Lease Number: G11075  
Well Name: SS001  
API Well Number: 608114024600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 13-SEP-2009

Date of Summary: 01-AUG-1999  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: CONOCO INC  
Sample Range: 7020 - 25620  
Ecozone Eq MMS:

First Sample Examined: 7020  
Borehole MD: 25624  
Borehole TVD: 25564  
Rkb Elevation: 79  
Water Depth: 3979  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11460 /11459	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
11489 /11488	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11490 /11489	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11550 /11549	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
11670 /11669	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11730 /11729	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11790 /11789	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
11819 /11818	POS AT unconformity	DEF AT
11820 /11819	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12140 /12139	DEF AT salt	DEF AT
21118 /21078	DEF AT base of salt	DEF AT
21119 /21079	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21120 /21080	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21799 /21757	DEF AT unconformity	DEF AT
21800 /21758	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22480 /22435	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
22718 /22672	DEF AT unconformity	DEF AT
22719 /22673	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22720 /22674	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
22960 /22913	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
23120 /23072	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23460 /23410	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23740 /23689	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23760 /23709	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 562	Date of Summary: 01-AUG-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24140 /24087	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24240 /24187	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
24300 /24247	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
24570 /24515	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
24580 /24525	DEF AT reworked material	DEF AT
24670 /24615	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
25170 /25112	DEF AT reworked material	DEF AT
25189 /25131	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25190 /25132	DEF IN Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
25320 /25261	DEF AT reworked material	DEF AT
25360 /25301	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
25410 /25350	DEF AT reworked material	DEF AT
25589 /25529	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
25590 /25530	DEF AT Lower Miocene (Aquitania) Discoaster woodringii	DEF AT
25620 /25560	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 563	Date of Summary: 11-OCT-1999	First Sample Examined: 6600
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 25058
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25000
API Well Number: 608114024900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6600 - 24990	Water Depth: 4144
Public Info Code: Y 08-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 18030 to 19320 = mixed fauna and flora of Middle to Late Miocene assemblage, 21150=mix of Late Miocene to Uvigerina 3 equivalent assemblages, 21900=Late Eocene based on abundant planktic fauna and flora, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 6600	DEF AT first sample examined	DEF AT
7470 / 7470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9840 / 9840	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
10380 /10380	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
11040 /11040	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
11280 /11280	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 6
11894 /11894	DEF AT cement	POS AT 6
11910 /11910	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 6
11911 /11911	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 6
11970 /11970	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 6
12150 /12150	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6
12210 /12210	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 6
12450 /12450	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 6
12540 /12540	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 6
12720 /12719	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 6
12749 /12748	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 6
12750 /12749	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 6
13020 /13019	DEF AT - - - - -	POS AT 6
13230 /13229	DEF AT - - - - -	DEF IN 6
13620 /13619	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 563	Date of Summary: 11-OCT-1999	First Sample Examined: 6600
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 25058
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25000
API Well Number: 608114024900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6600 - 24990	Water Depth: 4144
Public Info Code: Y 08-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13890 /13889	DEF AT -----	DEF AT 6
13980 /13979	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
14370 /14369	DEF AT -----	POS AT 6
14520 /14519	DEF AT -----	DEF AT 6
16080 /16079	DEF AT -----	POS AT 6
16590 /16589	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
17070 /17069	DEF AT sample gap top	POS AT 6
17240 /17239	DEF AT sample gap bottom	DEF AT 6
18030 /18029	DEF AT Miocene	DEF AT 6
18150 /18149	DEF AT -----	DEF IN 6
18570 /18569	DEF AT salt	POS IN 6
21030 /21021	DEF AT base of salt	POS AT 6
21150 /21140	DEF AT Miocene	POS AT 6
21330 /21319	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 6
21450 /21439	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 6
21540 /21529	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
21630 /21618	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 6
21810 /21798	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 6
21900 /21888	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
21930 /21918	DEF IN Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
21988 /21976	POS AT gouge	DEF AT 6
21989 /21977	POS AT reworked material	DEF AT 6
21990 /21978	POS IN Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
22020 /22008	DEF AT salt	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 563	Date of Summary: 11-OCT-1999	First Sample Examined: 6600
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 25058
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25000
API Well Number: 608114024900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6600 - 24990	Water Depth: 4144
Public Info Code: Y 08-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24990 /24934	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 563	Date of Summary: 01-MAY-2000	First Sample Examined: 15850
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 22980
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22609
API Well Number: 608114024901	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15850 - 22980	Water Depth: 4144
Public Info Code: Y 15-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 18780=apparent repeat section, from 19590 to 19779, a mixed fauna was found from the Early and Middle Miocene, from 21840 to 22160 the section is an apparent repeat Upper Miocene assemblage, 22530=mixed age faunal assemblages, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15850 /15849	DEF AT first sample examined	POS AT 5
15851 /15850	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	POS AT 5
15960 /15959	DEF IN Upper (Late) Miocene	POS AT 5
16740 /16724	DEF AT - - - - -	DEF AT 6
16770 /16752	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
17070 /17031	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
17190 /17141	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
17220 /17168	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
17590 /17504	DEF AT reworked material	DEF AT 6
18210 /18069	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 6
18540 /18368	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
18600 /18422	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
18689 /18501	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 6
18690 /18502	DEF AT local marker planktic foram increase	DEF IN 6
18691 /18503	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 6
18750 /18556	DEF AT Arenaceous fauna (local marker)	DEF IN 6
18780 /18583	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 6
19110 /18878	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 6
19440 /19176	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 6
19470 /19203	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 563	Date of Summary: 01-MAY-2000	First Sample Examined: 15850
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 22980
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22609
API Well Number: 608114024901	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15850 - 22980	Water Depth: 4144
Public Info Code: Y 15-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19590 /19313	POS AT Middle Miocene	DEF IN 6
19591 /19314	POS AT Paleocene	DEF IN 6
19770 /19479	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS IN 6
19860 /19563	DEF AT - - - - -	DEF IN 6
19920 /19618	POS AT Paleocene	DEF IN 6
19921 /19619	POS AT Oligocene Anahuac Formation/Provincial Stage	DEF IN 6
20400 /20066	DEF AT salt	DEF AT
21839 /21467	DEF AT base of salt	DEF AT
21840 /21468	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21900 /21528	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21930 /21558	DEF AT - - - - -	DEF IN 6
22050 /21678	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 6
22160 /21788	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 6
22530 /22158	DEF AT out-of-place section	DEF IN 6
22980 /22608	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 563	Date of Summary: 01-DEC-2000	First Sample Examined: 22410
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 26442
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25946
API Well Number: 608114024903	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 22410 - 26442	Water Depth: 4144
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, from 23490 to 24870, huge amounts of additive in the samples throughout this interval preclude foram zonations, 25470=one pyritized Globigerinoides primordius, 26442=TD=predominantly mid-Upper Oligocene forams, but still with some mid-Upper Eocene fossils, and a mix of Middle Eocene and Oligocene nannoflora

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22410 /21976	DEF AT first sample examined	DEF IN 5
22440 /22006	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
22560 /22126	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
22920 /22486	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
23309 /22875	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
23310 /22876	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
23430 /22996	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
23490 /23056	DEF AT drilling material	DEF IN 5
23610 /23176	DEF AT faunal change (no faunal increase)	POS AT 6
23730 /23296	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 6
23731 /23297	DEF AT Middle Miocene (Serravallian) Discoaster musicus	POS AT 6
24393 /23958	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 6
24630 /24195	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 6
24860 /24424	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 6
24870 /24433	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 6
24960 /24522	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
25185 /24743	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
25470 /25021	DEF AT pyrite	POS AT 6
25530 /25080	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
25800 /25342	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 563	Date of Summary: 01-DEC-2000	First Sample Examined: 22410
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 26442
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25946
API Well Number: 608114024903	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 22410 - 26442	Water Depth: 4144
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25890 /25428	DEF AT Oligocene	DEF IN 5
25905 /25443	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF IN 5
25965 /25500	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 5
26085 /25614	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF IN 5
26100 /25628	POS AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF IN 5
26101 /25629	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 5
26102 /25630	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
26160 /25684	POS AT Upper (Late) Eocene	DEF IN 5
26250 /25769	DEF AT Middle Eocene	DEF IN 5
26280 /25796	DEF AT Upper Eocene (Priabonian) Globigerinathea semiinvoluta	DEF IN 5
26295 /25810	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 5
26310 /25824	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 5
26440 /25945	POS IN Upper Oligocene Chattian Stage	DEF IN 5
26441 /25946	POS AT Middle Eocene	DEF IN 5
26442 /25947	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 569	Date of Summary: 24-MAR-2003	First Sample Examined: 19100
Lease Number: G18399	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23247
API Well Number: 608114036501	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 19100 - 23607	Water Depth: 4159
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 19101=associated with salt

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19100 /18970	DEF AT first sample examined	DEF AT 5
19101 /18971	POS IN Upper Oligocene	DEF AT 5
19250 /19120	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
20860 /20726	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21440 /21282	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
23240 /22907	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
23440 /23091	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
23607 /23246	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 569	<b>Date of Summary:</b> 24-MAR-2003	<b>First Sample Examined:</b> 19100
<b>Lease Number:</b> G18399	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23607
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23247
<b>API Well Number:</b> 608114036501	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19100 - 23607	<b>Water Depth:</b> 4159
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 19101=first samples below salt in jumbled section, indicates Oligocene flora is the oldest assemblage with Sphenolithus predistentus and Sphenolithus distentus, 19130=mixed Middle Miocene floral assemblage to 20630

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19100 /18970	DEF AT first sample examined	DEF AT
19101 /18971	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
19130 /19000	POS AT Middle Miocene	DEF AT
20630 /20498	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21200 /21056	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21770 /21587	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21890 /21696	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22370 /22125	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23240 /22907	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23390 /23045	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23607 /23246	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 13-JAN-2003	First Sample Examined: 20730
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27090
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27087
API Well Number: 608114035700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 20730 - 27090	Water Depth: 4023
Public Info Code: Y 03-FEB-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Tahiti North Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20730 /20727	DEF AT first sample examined	DEF AT
20731 /20728	DEF IN Upper (Late) Miocene	DEF AT
20880 /20877	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20910 /20907	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
21030 /21027	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21300 /21297	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21900 /21897	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22680 /22677	DEF AT floral flood	DEF AT
22920 /22917	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
24330 /24327	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24480 /24477	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
24720 /24717	DEF AT local marker floral increase	DEF AT
24870 /24867	DEF AT local marker floral increase	DEF AT
24900 /24897	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25140 /25137	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25410 /25407	DEF AT local marker floral increase	DEF AT
26070 /26067	DEF AT local marker floral increase	DEF AT
26430 /26427	DEF AT local marker floral increase	DEF AT
26520 /26517	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26790 /26787	DEF AT local marker floral increase	DEF AT
26940 /26937	DEF AT local marker floral increase	DEF AT
27090 /27087	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-FEB-2003	First Sample Examined: 20700
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27090
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27087
API Well Number: 608114035700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 20700 - 27090	Water Depth: 4023
Public Info Code: Y 03-FEB-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tahiti North Prospect, 26430=Lower Miocene Globorotalia altispira coiling change

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20700 /20697	DEF AT first sample examined	POS IN 3
20701 /20698	DEF IN salt	POS IN 3
20730 /20727	DEF IN Upper (Late) Miocene	DEF IN 3
20760 /20757	DEF AT out-of-place section	DEF IN 3
20790 /20787	DEF AT local marker foram decrease	DEF IN 3
20850 /20847	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
20970 /20967	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21000 /20997	DEF AT local marker foram decrease	DEF AT 4
21090 /21087	DEF AT local marker foram decrease	DEF AT 4
21300 /21297	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
21360 /21357	DEF AT local marker foram decrease	DEF AT 4
21390 /21387	DEF AT - - - - -	DEF IN 3
21480 /21477	DEF AT Arenaceous fauna (local marker)	DEF IN 3
21510 /21507	DEF AT local marker foram decrease	DEF IN 3
21630 /21627	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
21660 /21657	DEF AT - - - - -	DEF AT 4
21720 /21717	DEF AT local marker foram decrease	DEF IN 3
21930 /21927	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
21990 /21987	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF IN 3
22020 /22017	DEF AT pyrite	DEF IN 3
22050 /22047	DEF AT local marker foram increase	DEF AT 4
22110 /22107	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-FEB-2003	First Sample Examined: 20700
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27090
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27087
API Well Number: 608114035700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 20700 - 27090	Water Depth: 4023
Public Info Code: Y 03-FEB-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22140 /22137	DEF AT local marker foram decrease	DEF AT 4
22260 /22257	DEF AT - - - - -	DEF IN 3
22319 /22316	DEF AT pyrite	DEF IN 3
22320 /22317	DEF AT local white Arenaceous fauna	DEF IN 3
22410 /22407	DEF AT local marker foram decrease	DEF IN 3
22500 /22497	DEF AT Arenaceous fauna (local marker)	DEF IN 3
22590 /22587	DEF AT local marker foram decrease	DEF IN 3
22890 /22887	POS AT local marker foram increase	DEF IN 3
22920 /22917	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
22950 /22947	DEF AT local marker foram decrease	DEF AT 4
23040 /23037	POS AT local marker foram increase	DEF AT 4
23070 /23067	DEF AT local marker foram decrease	DEF AT 4
23280 /23277	POS AT local marker foram increase	DEF AT 4
23370 /23367	DEF AT local marker foram decrease	DEF AT 4
23520 /23517	POS AT local marker foram increase	DEF AT 4
23550 /23547	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23999 /23996	DEF AT Bathysiphon fauna	DEF AT 4
24000 /23997	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
24060 /24057	DEF AT local marker foram decrease	DEF AT 4
24270 /24267	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24330 /24327	DEF AT local marker foram increase	DEF AT 4
24450 /24447	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
24510 /24507	DEF AT local marker foram decrease	DEF AT 4
24540 /24537	DEF AT Arenaceous fauna (local marker)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596  
Lease Number: G16759  
Well Name: 001  
API Well Number: 608114035700  
Paleo Report Num: 2 of 2  
Public Info Code: Y 03-FEB-2013

Date of Summary: 01-FEB-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 20700 - 27090  
Ecozone Eq MMS: Y

First Sample Examined: 20700  
Borehole MD: 27090  
Borehole TVD: 27087  
Rkb Elevation: 75  
Water Depth: 4023  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24600 /24597	DEF AT local marker foram decrease	DEF AT 4
24870 /24867	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
24930 /24927	DEF AT local marker foram decrease	DEF IN 4
25020 /25017	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
25050 /25047	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25080 /25077	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
25110 /25107	DEF AT local marker foram decrease	DEF AT 4
25410 /25407	DEF AT Bathysiphon fauna	DEF AT 4
25500 /25497	DEF AT local marker foram decrease	DEF AT 4
25830 /25827	DEF AT Bathysiphon fauna	DEF AT 4
25890 /25887	DEF AT Eggerella sp. (local marker)	DEF AT 4
25980 /25977	DEF AT local marker foram decrease	DEF AT 4
26340 /26337	DEF AT local marker planktic foram increase	DEF AT 4
26370 /26367	DEF AT local marker foram decrease	DEF AT 4
26428 /26425	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
26429 /26426	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
26430 /26427	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
26490 /26487	DEF AT local marker foram decrease	DEF IN 4
26550 /26547	DEF AT local marker planktic foram increase	DEF IN 4
26580 /26577	DEF AT local marker foram increase	DEF AT 5
26640 /26637	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26670 /26667	DEF AT - - - - -	DEF AT 4
26760 /26757	DEF AT local marker foram decrease	DEF AT 4
26970 /26967	DEF AT Bathysiphon fauna	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 596	<b>Date of Summary:</b> 01-FEB-2003	<b>First Sample Examined:</b> 20700
<b>Lease Number:</b> G16759	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27090
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27087
<b>API Well Number:</b> 608114035700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 20700 - 27090	<b>Water Depth:</b> 4023
<b>Public Info Code:</b> Y 03-FEB-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27090 /27087	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 29-JAN-2003	First Sample Examined: 21060
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27447
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26338
API Well Number: 608114035701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 21060 - 27440	Water Depth: 4023
Public Info Code: Y 30-MAR-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tahiti North Prospect, calcareous nannofossil report, 25550=reworked Cretaceous flood, 26540=probable FAD of Sphenolithus heteromorphus, 27020=basal Miocene nannos only

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21060 /21057	DEF AT first sample examined	DEF AT
21061 /21058	DEF IN Middle Miocene	DEF AT
21090 /21087	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21120 /21117	DEF AT local marker floral decrease	DEF AT
21900 /21883	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21930 /21912	DEF AT local marker floral decrease	DEF AT
22110 /22080	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22140 /22108	DEF AT floral flood	DEF AT
22200 /22163	DEF AT local marker floral decrease	DEF AT
22290 /22245	DEF AT reworked material	DEF AT
22320 /22273	DEF AT reworked material	DEF AT
22350 /22300	DEF AT reworked material	DEF AT
22380 /22327	DEF AT local marker floral decrease	DEF AT
22410 /22354	DEF AT local marker floral increase	DEF AT
22440 /22381	DEF AT local marker floral decrease	DEF AT
22500 /22434	DEF AT local marker floral increase	DEF AT
22740 /22641	DEF AT local marker floral increase	DEF AT
22860 /22743	DEF AT floral flood	DEF AT
23010 /22867	DEF AT floral flood	DEF AT
23070 /22915	DEF AT local marker floral decrease	DEF AT
23130 /22963	DEF AT floral flood	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 29-JAN-2003	First Sample Examined: 21060
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27447
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26338
API Well Number: 608114035701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 21060 - 27440	Water Depth: 4023
Public Info Code: Y 30-MAR-2013	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23220 /23034	DEF AT local marker floral decrease	DEF AT
23310 /23104	DEF AT local marker floral increase	DEF AT
23370 /23150	DEF AT local marker floral decrease	DEF AT
23550 /23288	DEF AT local marker floral increase	DEF AT
23640 /23357	DEF AT local marker floral decrease	DEF AT
23940 /23585	DEF AT local marker floral increase	DEF AT
23970 /23608	DEF AT local marker floral decrease	DEF AT
24330 /23886	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24510 /24026	DEF AT local marker floral decrease	DEF AT
24750 /24213	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24751 /24214	DEF AT floral flood	DEF AT
24900 /24330	DEF AT local marker floral decrease	DEF AT
24990 /24400	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25050 /24447	DEF AT local marker floral decrease	DEF AT
25370 /24698	DEF AT local marker floral increase	DEF AT
25460 /24769	DEF AT floral flood	DEF AT
25550 /24840	DEF AT reworked material	DEF AT
26030 /25213	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
26240 /25379	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
26241 /25379	POS AT reworked material	DEF AT
26540 /25615	DEF AT local marker (general)	DEF AT
26600 /25662	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
26930 /25924	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
26960 /25948	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 596	<b>Date of Summary:</b> 29-JAN-2003	<b>First Sample Examined:</b> 21060
<b>Lease Number:</b> G16759	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27447
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 26338
<b>API Well Number:</b> 608114035701	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 21060 - 27440	<b>Water Depth:</b> 4023
<b>Public Info Code:</b> Y 30-MAR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27020 /25995	DEF AT local marker floral increase	DEF AT
27110 /26067	DEF AT local marker floral increase	DEF AT
27140 /26091	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
27200 /26139	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
27290 /26211	DEF AT Lower Oligocene (Rupelian) Calcidiscus reticulata	DEF AT
27350 /26260	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
27409 /26307	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
27410 /26308	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-APR-2003	First Sample Examined: 21060
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27447
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26338
API Well Number: 608114035701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 21060 - 27440	Water Depth: 4023
Public Info Code: Y 30-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Tahiti North Prospect, 21930=Upper Miocene Alveovalvulina suteri acme, 22141=Middle Miocene Globobulimina acme, 24960=Middle Miocene Siphogenerina transversa, 25700=Haplophragmoides emaciatum, 25730=Cystamina galeata acme, 27110=Lower Oligocene Uvigerina hispida acme

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21060 /21057	DEF AT first sample examined	DEF AT 4
21061 /21058	DEF IN Upper (Late) Miocene	DEF AT 4
21090 /21087	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21330 /21327	DEF AT local marker foram increase	DEF AT 4
21390 /21387	DEF AT local marker foram decrease	DEF AT 4
21480 /21476	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21630 /21623	DEF AT local marker foram decrease	DEF AT 4
21660 /21653	DEF AT drilling material	DEF AT 4
21720 /21711	DEF AT local marker foram increase	DEF IN 4
21750 /21740	DEF AT foram flood	DEF IN 4
21751 /21741	DEF AT pyrite	DEF IN 4
21780 /21768	DEF AT - - - - -	DEF AT 4
21810 /21797	DEF AT local marker foram decrease	DEF AT 4
21900 /21883	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21930 /21912	DEF AT local marker (general)	DEF AT 4
22020 /21996	DEF AT pyrite	DEF AT 4
22110 /22080	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
22140 /22108	DEF AT pyrite	DEF IN 4
22141 /22109	DEF AT local marker (general)	DEF IN 4
22200 /22163	DEF AT local marker foram decrease	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-APR-2003	First Sample Examined: 21060
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27447
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26338
API Well Number: 608114035701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 21060 - 27440	Water Depth: 4023
Public Info Code: Y 30-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22230 /22191	DEF AT local white Arenaceous fauna	DEF AT 4
22260 /22218	DEF AT local marker foram decrease	DEF AT 4
22320 /22273	DEF AT Bathysiphon fauna	DEF AT 4
22350 /22300	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22409 /22353	DEF AT pyrite	DEF AT
22410 /22354	DEF AT Bathysiphon fauna	DEF AT
22440 /22381	DEF AT local marker foram decrease	DEF AT 4
22920 /22793	DEF AT Eggerella sp. (local marker)	DEF AT 4
22980 /22842	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
23040 /22891	DEF AT local marker foram decrease	DEF AT 4
23220 /23034	POS AT local marker foram increase	DEF IN 4
23280 /23081	DEF AT local marker foram decrease	DEF AT 4
23640 /23357	DEF AT local white Arenaceous fauna	DEF AT 4
23700 /23402	DEF AT local marker foram increase	DEF IN 4
23760 /23448	DEF AT - - - - -	DEF AT 4
23790 /23471	DEF AT Bathysiphon fauna	DEF AT 4
23850 /23517	DEF AT local marker foram decrease	DEF AT 4
23910 /23562	DEF AT local marker foram increase	DEF AT 4
23970 /23608	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24000 /23631	DEF AT local marker foram decrease	DEF AT 4
24030 /23655	DEF AT local marker foram increase	DEF AT 4
24120 /23724	DEF AT local marker foram decrease	DEF AT 4
24240 /23817	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24270 /23840	DEF AT gray shale	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-APR-2003	First Sample Examined: 21060
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27447
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26338
API Well Number: 608114035701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 21060 - 27440	Water Depth: 4023
Public Info Code: Y 30-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24330 /23886	DEF AT local marker foram increase	DEF AT 4
24360 /23910	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
24390 /23933	DEF AT local marker foram decrease	DEF AT 4
24420 /23956	DEF AT Eggerella sp. (local marker)	DEF AT 4
24480 /24003	DEF AT local marker foram increase	DEF AT 4
24510 /24026	DEF AT local marker foram decrease	DEF AT 4
24720 /24190	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
24750 /24213	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
24840 /24283	DEF AT local marker foram decrease	DEF IN 4
24900 /24330	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
24990 /24400	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
25050 /24447	DEF AT local marker foram decrease	DEF IN 4
25110 /24494	DEF AT - - - - -	DEF AT 4
25140 /24518	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25200 /24565	DEF AT local marker foram decrease	DEF AT 4
25230 /24588	DEF AT local marker planktic foram increase	DEF IN 4
25260 /24612	DEF AT foram flood	DEF AT 5
25370 /24698	DEF AT local marker foram decrease	DEF AT 5
25460 /24769	DEF AT local marker planktic foram increase	DEF AT 5
25490 /24793	DEF AT local marker foram decrease	DEF AT 4
25700 /24957	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25730 /24980	DEF AT local marker (general)	DEF AT 4
25760 /25003	DEF AT local marker planktic foram increase	DEF AT 4
25790 /25026	DEF AT local marker foram decrease	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-APR-2003	First Sample Examined: 21060
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27447
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26338
API Well Number: 608114035701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 21060 - 27440	Water Depth: 4023
Public Info Code: Y 30-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26180 /25331	DEF AT Bathysiphon fauna	DEF AT 4
26240 /25379	DEF AT gray shale	DEF AT 4
26270 /25402	DEF AT pyrite	DEF AT 4
26330 /25450	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
26331 /25450	DEF AT local marker foram increase	DEF IN 4
26360 /25473	DEF AT local marker planktic foram increase	DEF AT 5
26390 /25497	DEF AT local marker foram decrease	DEF AT 4
26449 /25543	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
26450 /25544	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 4
26570 /25639	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26600 /25662	DEF AT pyrite	DEF AT 4
26630 /25686	DEF AT local marker foram decrease	DEF AT 4
26840 /25853	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26960 /25948	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 4
27080 /26043	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
27110 /26067	DEF AT local marker foram increase	DEF AT 5
27170 /26115	DEF AT local marker foram decrease	DEF AT 5
27290 /26211	DEF AT limestone	DEF AT 5
27350 /26260	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
27409 /26307	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
27410 /26308	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 25-MAR-2003	First Sample Examined: 25760
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 28806
Well Name: PN001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27602
API Well Number: 608114035702	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 25760 - 28806	Water Depth: 4023
Public Info Code: Y 25-APR-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Tahiti North Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25760 /25003	DEF AT first sample examined	DEF AT
25761 /25004	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26360 /25524	DEF AT reworked material	DEF AT
26450 /25607	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26780 /25910	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
27170 /26270	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
27320 /26407	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27650 /26704	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
27680 /26730	DEF AT local marker floral increase	DEF AT
27720 /26764	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27800 /26831	DEF AT floral flood	DEF AT
27920 /26930	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
28040 /27026	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
28130 /27095	DEF AT floral flood	DEF AT
28250 /27186	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
28280 /27209	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
28370 /27277	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
28460 /27345	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
28520 /27390	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
28579 /27434	DEF AT salt	DEF AT
28580 /27435	DEF AT local marker floral decrease	DEF AT
28789 /27590	DEF IN salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 596	<b>Date of Summary:</b> 25-MAR-2003	<b>First Sample Examined:</b> 25760
<b>Lease Number:</b> G16759	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28806
<b>Well Name:</b> PN001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27602
<b>API Well Number:</b> 608114035702	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 25760 - 28806	<b>Water Depth:</b> 4023
<b>Public Info Code:</b> Y 25-APR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28790 /27591	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 596	<b>Date of Summary:</b> 01-APR-2003	<b>First Sample Examined:</b> 25760
<b>Lease Number:</b> G16759	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28806
<b>Well Name:</b> PN001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27602
<b>API Well Number:</b> 608114035702	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 25760 - 28580	<b>Water Depth:</b> 4023
<b>Public Info Code:</b> Y 25-APR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Tahiti North Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25760 /25003	DEF AT first sample examined	DEF AT 4
25790 /25027	DEF AT local marker foram decrease	DEF AT 4
25880 /25099	DEF AT local marker foram decrease	DEF AT 4
26150 /25333	DEF AT Bathysiphon fauna	DEF AT 4
26209 /25386	DEF AT pyrite	DEF AT 4
26210 /25387	DEF AT Bathysiphon fauna	DEF AT 4
26269 /25441	DEF AT pyrite	DEF AT 4
26270 /25442	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26389 /25551	DEF AT pyrite	DEF AT 4
26390 /25552	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26570 /25717	DEF AT local marker foram decrease	DEF AT 4
26630 /25772	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
26839 /25964	DEF AT pyrite	DEF AT 4
26840 /25965	DEF AT Arenaceous fauna (local marker)	DEF AT 4
27079 /26186	DEF AT Arenaceous fauna (local marker)	DEF AT 4
27080 /26187	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
27230 /26325	DEF AT Arenaceous fauna (local marker)	DEF AT 4
27680 /26730	POS AT faunal change (no faunal increase)	DEF AT 4
27710 /26755	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
27770 /26806	DEF AT local marker foram increase	DEF AT 4
27800 /26831	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
27860 /26881	DEF AT foram flood	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-APR-2003	First Sample Examined: 25760
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 28806
Well Name: PN001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27602
API Well Number: 608114035702	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 25760 - 28580	Water Depth: 4023
Public Info Code: Y 25-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27920 /26930	DEF AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF IN 4
27950 /26954	DEF AT local marker (general)	DEF IN 4
28010 /27002	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
28040 /27026	DEF AT local marker (general)	DEF IN 4
28130 /27095	DEF AT - - - - -	DEF AT 5
28220 /27163	DEF AT local marker foram increase	DEF AT 5
28250 /27186	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
28280 /27209	DEF AT faunal change (no faunal increase)	DEF AT 5
28399 /27299	DEF AT radiolarians	DEF AT 5
28400 /27300	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 5
28459 /27344	DEF AT foram flood	DEF IN 5
28460 /27345	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 5
28520 /27390	DEF IN Middle Eocene (Bartonian) Morozovella lehneri	DEF IN 5
28577 /27432	DEF AT salt	DEF IN 5
28580 /27435	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-SEP-2006	First Sample Examined: 21210
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: PN001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26941
API Well Number: 608114035703	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 21210 - 27000	Water Depth: 4023
Public Info Code: Y 27-OCT-2016	Ecozone Eq MMS:	Paleo ID: 002

Remark: Tahiti North Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21210 /21151	DEF AT first sample examined	DEF IN 4
21300 /21241	DEF AT local marker benthic foram increase	DEF IN 4
21510 /21451	DEF AT local marker deep water fauna	DEF IN 4
22050 /21991	POS AT local marker foram increase	DEF IN 4
22170 /22111	DEF AT pyrite	DEF IN 4
22200 /22141	DEF AT local white Arenaceous fauna	DEF IN 4
22920 /22861	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
22980 /22921	DEF AT local marker foram decrease	DEF IN 4
23010 /22951	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23490 /23431	DEF AT cement	DEF IN 4
23580 /23521	POS AT local white Arenaceous fauna	DEF IN 4
23640 /23581	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
23760 /23701	DEF AT - - - - -	DEF IN 4
23880 /23821	DEF AT local white Arenaceous fauna	DEF IN 4
24120 /24061	DEF AT Bathysiphon fauna	DEF IN 4
24840 /24781	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
24870 /24811	DEF AT - - - - -	DEF AT 6
24930 /24871	DEF AT local marker foram decrease	DEF IN 4
25079 /25020	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
25080 /25021	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
25170 /25111	DEF AT - - - - -	DEF IN 4
25350 /25291	DEF AT local marker foram decrease	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 01-SEP-2006	First Sample Examined: 21210
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: PN001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26941
API Well Number: 608114035703	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 21210 - 27000	Water Depth: 4023
Public Info Code: Y 27-OCT-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25380 /25321	DEF AT Bathysiphon fauna	DEF IN 4
25650 /25591	DEF AT local marker foram increase	DEF IN 4
26220 /26161	DEF AT local marker foram decrease	DEF IN 4
26340 /26281	DEF AT local marker planktic foram increase	DEF AT 6
26370 /26311	DEF AT local marker foram decrease	DEF IN 4
26580 /26521	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 6
26610 /26551	DEF AT - - - - -	DEF IN 4
26910 /26851	DEF AT Bathysiphon fauna	DEF IN 4
27000 /26941	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 16-OCT-2006	First Sample Examined: 21210
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: PN001	Paleo Done By: OPERATOR	Borehole TVD: 26941
API Well Number: 608114035703	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 21210 - 27000	Water Depth: 4023
Public Info Code: Y 27-OCT-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Tahiti North Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21210 /21151	DEF AT first sample examined	DEF AT
21211 /21152	DEF IN out-of-place section	DEF AT
21690 /21631	POS AT local marker floral increase	DEF AT
21750 /21691	DEF AT local marker floral decrease	DEF AT
22050 /21991	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22110 /22051	DEF AT local marker floral decrease	DEF AT
22290 /22231	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
22350 /22291	DEF AT local marker floral decrease	DEF AT
22470 /22411	DEF AT local marker floral increase	DEF AT
22530 /22471	DEF AT local marker floral decrease	DEF AT
22770 /22711	DEF AT local marker floral increase	DEF AT
23100 /23041	DEF AT local marker floral decrease	DEF AT
23220 /23161	DEF AT local marker floral increase	DEF AT
23280 /23221	DEF AT local marker floral decrease	DEF AT
23340 /23281	DEF AT local marker floral increase	DEF AT
23400 /23341	DEF AT local marker floral decrease	DEF AT
23460 /23401	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23580 /23521	DEF AT local marker floral decrease	DEF AT
23820 /23761	DEF AT local marker floral increase	DEF AT
24120 /24061	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24330 /24271	DEF AT local marker floral decrease	DEF AT
24390 /24331	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 16-OCT-2006	First Sample Examined: 21210
Lease Number: G16759	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: PN001	Paleo Done By: OPERATOR	Borehole TVD: 26941
API Well Number: 608114035703	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 21210 - 27000	Water Depth: 4023
Public Info Code: Y 27-OCT-2016	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24450 /24391	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24510 /24451	DEF AT local marker floral decrease	DEF AT
24690 /24631	DEF AT local marker floral increase	DEF AT
24930 /24871	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25230 /25171	DEF AT local marker floral decrease	DEF AT
25590 /25531	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25890 /25831	DEF AT local marker floral decrease	DEF AT
26310 /26251	POS AT local marker floral increase	DEF AT
26370 /26311	DEF AT local marker floral decrease	DEF AT
26550 /26491	DEF AT local marker floral increase	DEF AT
26730 /26671	DEF AT local marker floral decrease	DEF AT
27000 /26941	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 29-JUN-2006	First Sample Examined: 21120
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27343
Well Name: PN002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25788
API Well Number: 608114047000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 21120 - 27343	Water Depth: 4023
Public Info Code: Y 02-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Tahiti Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21120 /20516	DEF AT first sample examined	POS AT 6
21121 /20517	DEF IN out-of-place section	POS AT 6
21150 /20541	DEF IN Upper (Late) Miocene	DEF AT 4
21210 /20592	DEF AT pyrite	DEF AT 4
21690 /20999	DEF AT local white Arenaceous fauna	DEF AT 4
21720 /21025	DEF AT local marker foram increase	DEF AT 4
21750 /21050	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21780 /21076	DEF AT siltstone	DEF AT 4
21810 /21101	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
21900 /21177	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
21930 /21203	DEF AT local marker foram decrease	DEF AT 4
22229 /21457	DEF AT turbid water facies	POS AT 4
22230 /21458	DEF AT Upper Miocene (Tortonian) Uvigerina 3	POS AT 4
22260 /21483	DEF AT local marker foram increase	DEF AT 4
22290 /21509	DEF AT local marker foram decrease	DEF AT 4
22350 /21560	DEF AT local marker foram increase	DEF AT 4
22470 /21662	POS AT Eggerella sp. (local marker)	DEF AT 4
22559 /21737	DEF AT turbid water facies	POS AT 4
22560 /21738	DEF AT Cyclammina sp. (local marker)	POS AT 4
22620 /21789	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	POS AT 4
23130 /22222	DEF AT local marker planktic foram increase	DEF AT 4
23310 /22375	DEF AT faunal change (no faunal increase)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 29-JUN-2006	First Sample Examined: 21120
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27343
Well Name: PN002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25788
API Well Number: 608114047000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 21120 - 27343	Water Depth: 4023
Public Info Code: Y 02-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23430 /22477	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
23490 /22528	DEF AT local marker foram decrease	DEF AT 4
23730 /22732	DEF AT Bathysiphon fauna	DEF AT 4
23760 /22757	DEF AT turbid water facies	POS AT 4
23820 /22808	DEF AT - - - - -	DEF AT 4
23970 /22936	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
24000 /22962	DEF AT turbid water facies	POS AT 4
24030 /22987	DEF AT - - - - -	DEF AT 4
24060 /23013	DEF AT pyrite	DEF AT 5
24090 /23038	DEF AT - - - - -	DEF AT 4
24150 /23089	DEF AT local marker foram decrease	DEF AT 4
24210 /23140	DEF AT - - - - -	DEF AT 5
24240 /23166	DEF AT - - - - -	DEF AT 4
24540 /23421	DEF AT siltstone	DEF AT 4
24660 /23522	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
24720 /23573	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
24810 /23649	DEF AT local marker foram decrease	DEF AT 4
24990 /23801	DEF AT turbid water facies	POS AT 4
25110 /23903	POS AT local marker foram increase	DEF AT 5
25229 /24003	DEF AT turbid water facies	POS AT 5
25230 /24004	DEF AT local marker foram decrease	POS AT 5
25290 /24055	DEF AT - - - - -	DEF AT 5
25320 /24080	DEF AT turbid water facies	POS AT 5
25350 /24105	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 29-JUN-2006	First Sample Examined: 21120
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27343
Well Name: PN002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25788
API Well Number: 608114047000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 21120 - 27343	Water Depth: 4023
Public Info Code: Y 02-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25440 /24181	DEF AT siltstone	POS AT 5
25470 /24207	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 5
25590 /24308	DEF AT local marker foram decrease	DEF AT 4
25830 /24510	DEF AT local marker planktic foram increase	DEF IN 4
25980 /24637	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
26010 /24662	DEF AT -----	DEF AT 4
26550 /25118	DEF AT -----	DEF AT 5
26580 /25144	DEF AT -----	DEF AT 4
26820 /25346	POS IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
26970 /25473	DEF AT local marker foram decrease	DEF AT 4
27000 /25498	DEF AT siltstone	DEF AT 4
27030 /25523	DEF AT -----	DEF AT 5
27180 /25650	DEF AT local marker foram decrease	DEF IN 4
27270 /25726	DEF AT gray shale	DEF IN 4
27299 /25751	DEF AT turbid water facies	DEF IN 4
27300 /25752	DEF AT Bathysiphon fauna	DEF IN 4
27343 /25788	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 29-JUN-2006	First Sample Examined: 21120
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27343
Well Name: PN002	Paleo Done By: OPERATOR	Borehole TVD: 25788
API Well Number: 608114047000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 21120 - 27330	Water Depth: 4023
Public Info Code: Y 02-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tahiti Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21120 /20516	DEF AT first sample examined	DEF AT
21121 /20517	DEF IN out-of-place section	DEF AT
21180 /20567	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21960 /21228	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
22260 /21483	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22290 /21509	DEF AT local marker floral decrease	DEF AT
22380 /21585	DEF AT local marker floral increase	DEF AT
22440 /21636	DEF AT local marker floral decrease	DEF AT
22470 /21662	DEF AT local marker floral increase	DEF AT
22500 /21687	DEF AT local marker floral decrease	DEF AT
23070 /22171	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
23100 /22197	DEF AT local marker floral increase	DEF AT
23160 /22248	DEF AT local marker floral decrease	DEF AT
23250 /22324	DEF AT local marker floral increase	DEF AT
23280 /22350	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
23340 /22401	DEF AT local marker floral decrease	DEF AT
23520 /22553	DEF AT local marker floral increase	DEF AT
23640 /22655	DEF AT local marker floral decrease	DEF AT
23670 /22681	DEF AT local marker floral increase	DEF AT
23760 /22757	DEF AT local marker floral decrease	DEF AT
23820 /22808	DEF IN Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
23850 /22834	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 29-JUN-2006	First Sample Examined: 21120
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27343
Well Name: PN002	Paleo Done By: OPERATOR	Borehole TVD: 25788
API Well Number: 608114047000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 21120 - 27330	Water Depth: 4023
Public Info Code: Y 02-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23880 /22860	DEF AT local marker floral decrease	DEF AT
23970 /22936	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
24030 /22987	DEF AT local marker floral decrease	DEF AT
24450 /23344	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24600 /23472	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24630 /23497	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
24660 /23522	DEF AT local marker floral decrease	DEF AT
24960 /23776	DEF AT local marker floral increase	DEF AT
25200 /23979	DEF AT local marker floral decrease	DEF AT
25260 /24029	DEF AT local marker floral increase	DEF AT
25277 /24044	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25350 /24105	DEF AT local marker floral decrease	DEF AT
25470 /24207	DEF AT local marker floral increase	DEF AT
25530 /24257	DEF AT local marker floral decrease	DEF AT
25740 /24434	POS AT local marker floral increase	DEF AT
25860 /24536	DEF AT Middle Miocene (Langhian) Discoaster aulakos	DEF AT
25890 /24561	POS AT local marker floral decrease	DEF AT
26100 /24738	POS AT local marker floral increase	DEF AT
26130 /24763	DEF AT local marker floral decrease	DEF AT
26190 /24814	POS AT local marker floral increase	DEF AT
26220 /24840	DEF AT local marker floral decrease	DEF AT
26370 /24966	POS AT local marker floral increase	DEF AT
26430 /25017	DEF AT local marker floral decrease	DEF AT
26550 /25118	POS AT local marker floral increase	DEF AT

**This report contains public paleo reports only for the time period stated**



UNITED STATES DEPARTMENT OF THE INTERIOR  
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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 596	Date of Summary: 29-JUN-2006	First Sample Examined: 21120
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27343
Well Name: PN002	Paleo Done By: OPERATOR	Borehole TVD: 25788
API Well Number: 608114047000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 21120 - 27330	Water Depth: 4023
Public Info Code: Y 02-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26580 /25144	DEF AT local marker floral decrease	DEF AT
26670 /25220	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26700 /25245	DEF AT local marker floral decrease	DEF AT
26760 /25296	DEF AT local marker floral increase	DEF AT
26880 /25397	DEF AT local marker floral decrease	DEF AT
26970 /25473	DEF AT local marker floral increase	DEF AT
27000 /25498	DEF AT local marker floral decrease	DEF AT
27030 /25523	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27180 /25650	DEF AT local marker floral decrease	DEF AT
27240 /25701	POS AT local marker floral increase	DEF AT
27300 /25752	DEF AT local marker floral decrease	DEF AT
27330 /25777	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 599	Date of Summary: 30-NOV-2006	First Sample Examined: 23670
Lease Number: G16762	Source of Paleo: OPERATOR	Borehole MD: 27472
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27439
API Well Number: 608114046000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 23670 - 27472	Water Depth: 3830
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23670 /23655	DEF AT first sample examined	POS AT 4
23760 /23745	DEF AT reworked material	POS AT 4
23970 /23955	DEF AT -----	DEF AT 4
24000 /23985	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
24030 /24015	DEF AT -----	DEF AT 5
24240 /24225	DEF AT Arenaceous fauna (local marker)	DEF AT 5
24330 /24315	DEF AT -----	DEF AT 4
24750 /24735	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
24780 /24765	DEF AT -----	DEF AT 5
24810 /24795	DEF AT -----	DEF AT 4
25080 /25065	DEF AT -----	DEF AT 5
25110 /25095	DEF AT -----	DEF AT 4
25320 /25305	DEF AT Bathysiphon fauna	DEF AT 4
25590 /25575	DEF AT reworked material	DEF AT 4
25830 /25815	DEF AT -----	DEF AT 5
25980 /25965	DEF AT -----	DEF AT 4
26160 /26145	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
26280 /26265	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
26310 /26295	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
26460 /26445	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
26790 /26774	DEF AT -----	DEF AT 4
27000 /26983	DEF AT -----	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 599	Date of Summary: 30-NOV-2006	First Sample Examined: 23670
Lease Number: G16762	Source of Paleo: OPERATOR	Borehole MD: 27472
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27439
API Well Number: 608114046000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 23670 - 27472	Water Depth: 3830
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27090 /27071	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
27120 /27101	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
27210 /27188	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
27240 /27217	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
27270 /27246	DEF AT local marker foram increase	DEF AT 5
27299 /27274	DEF AT radiolarians	DEF AT 5
27300 /27275	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
27329 /27303	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
27330 /27304	DEF AT Upper Eocene (Priabonian) Globigerinathea semiinvoluta	DEF AT 5
27389 /27361	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 5
27390 /27362	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
27419 /27389	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 4
27420 /27390	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 4
27450 /27419	DEF AT radiolarians	DEF AT 4
27472 /27439	DEF AT last sample examined	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 599	Date of Summary: 01-DEC-2006	First Sample Examined: 23670
Lease Number: G16762	Source of Paleo: OPERATOR	Borehole MD: 27472
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27439
API Well Number: 608114046000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 23670 - 27472	Water Depth: 3830
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, paleo done by Theresa MDunn

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23670 /23655	DEF AT first sample examined	DEF AT
23970 /23955	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
24120 /24105	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
25050 /25035	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25800 /25785	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
26970 /26953	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
27000 /26983	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
27270 /27246	DEF AT Upper Oligocene ( Chattian ) Sphenolithus ciperoensis	DEF AT
27300 /27275	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
27360 /27333	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
27420 /27390	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
27472 /27439	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 599	<b>Date of Summary:</b> 30-NOV-2006	<b>First Sample Examined:</b> 26610
<b>Lease Number:</b> G16762	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29414
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29390
<b>API Well Number:</b> 608114046001	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 26610 - 29414	<b>Water Depth:</b> 3830
<b>Public Info Code:</b> Y 19-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26610 /26595	DEF AT first sample examined	DEF AT 5
26760 /26745	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26970 /26955	DEF AT -----	DEF AT 4
27120 /27105	DEF AT -----	DEF AT 5
27160 /27145	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
27200 /27185	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
27359 /27344	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
27360 /27345	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
27390 /27375	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
27480 /27465	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
27570 /27555	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
27660 /27645	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
27690 /27675	DEF AT radiolarians	DEF AT 5
28920 /28904	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
29160 /29141	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
29414 /29390	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 599	Date of Summary: 01-DEC-2006	First Sample Examined: 26610
Lease Number: G16762	Source of Paleo: OPERATOR	Borehole MD: 29414
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29390
API Well Number: 608114046001	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 26610 - 29414	Water Depth: 3830
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, paleo done by Theresa MDunn

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26610 /26595	DEF AT first sample examined	DEF AT
26850 /26835	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
27050 /27035	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
27300 /27285	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27360 /27345	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
27390 /27375	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
27420 /27405	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
27650 /27635	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
27660 /27645	DEF IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
28770 /28755	POS AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
28920 /28904	DEF IN Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
29414 /29390	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 601	Date of Summary: 25-FEB-2002	First Sample Examined: 7060
Lease Number: G21218	Source of Paleo: OPERATOR	Borehole MD: 24120
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24092
API Well Number: 608114031000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 7060 - 24120	Water Depth: 4489
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7060 / 7060	DEF AT first sample examined	DEF AT
11260 /11259	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
15420 /15419	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
17310 /17309	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
18090 /18089	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18450 /18449	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19110 /19109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
19230 /19229	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19440 /19439	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19590 /19589	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19650 /19648	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19680 /19678	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
20130 /20128	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
20910 /20907	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
22260 /22253	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
23100 /23087	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
24060 /24038	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
24120 /24098	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 601	Date of Summary: 26-FEB-2002	First Sample Examined: 7060
Lease Number: G21218	Source of Paleo: OPERATOR	Borehole MD: 24120
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24092
API Well Number: 608114031000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 7060 - 24120	Water Depth: 4489
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7060 / 7060	DEF AT first sample examined	DEF IN 5
7330 / 7330	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
7360 / 7360	DEF AT - - - - -	DEF AT 5
9580 / 9579	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
12390 /12389	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
17310 /17309	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
18120 /18119	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
18480 /18479	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
19350 /19349	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
19440 /19439	DEF AT - - - - -	DEF IN 5
19470 /19469	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
19500 /19499	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
19530 /19529	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
19679 /19677	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
19680 /19678	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
19800 /19798	DEF AT - - - - -	DEF AT 5
20160 /20158	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
20250 /20248	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
23010 /22997	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
23100 /23087	DEF AT - - - - -	DEF IN 5
23250 /23236	DEF AT - - - - -	DEF AT 5
24120 /24098	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7070
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 14500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14498
API Well Number: 608114027400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7070 - 13225	Water Depth: 4320
Public Info Code: Y 21-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7070 / 7070	DEF AT first sample examined	POS AT 5
7071 / 7071	DEF AT cement	POS AT 5
7220 / 7220	DEF AT -----	DEF AT 5
8570 / 8569	DEF AT -----	DEF AT 4
9980 / 9979	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10600 /10599	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10930 /10929	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
11020 /11019	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11050 /11049	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11287 /11286	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
11288 /11287	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11289 /11288	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11290 /11289	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
11349 /11348	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11350 /11349	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11440 /11439	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11470 /11469	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11560 /11559	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
11709 /11708	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
11710 /11709	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
13180 /13179	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 5
13225 /13224	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7070
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 14500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14498
API Well Number: 608114027400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7070 - 13225	Water Depth: 4320
Public Info Code: Y 21-MAY-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7070 / 7070	DEF AT first sample examined	DEF AT
7550 / 7549	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10000 / 9999	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10540 /10539	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10570 /10569	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10960 /10959	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11050 /11049	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11110 /11109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11290 /11289	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11320 /11319	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11380 /11379	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11469 /11468	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11470 /11469	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11560 /11559	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11680 /11679	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12580 /12579	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12879 /12878	POS AT salt weld	DEF AT
12880 /12879	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12999 /12998	POS AT salt weld	DEF AT
13000 /12999	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13180 /13179	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
13210 /13209	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 608	<b>Date of Summary:</b> 27-JUL-2000	<b>First Sample Examined:</b> 7070
<b>Lease Number:</b> G18402	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14498
<b>API Well Number:</b> 608114027400	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7070 - 13225	<b>Water Depth:</b> 4320
<b>Public Info Code:</b> Y 21-MAY-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13225 /13224	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7170
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18684
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17108
API Well Number: 608114027401	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7170 - 18410	Water Depth: 4263
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7170 / 7170	DEF AT first sample examined	DEF AT 5
8910 / 8797	DEF AT -----	DEF AT 4
9870 / 9615	DEF AT -----	DEF AT 5
9960 / 9692	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
11430 /10935	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11819 /11262	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11820 /11263	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12059 /11465	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12060 /11465	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
12088 /11489	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12089 /11490	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12090 /11491	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12210 /11593	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12270 /11643	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12390 /11745	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12420 /11770	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12480 /11821	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
12660 /11972	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
16240 /14962	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
16390 /15087	DEF AT -----	DEF AT 5
18020 /16506	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
18140 /16614	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7170
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18684
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17108
API Well Number: 608114027401	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7170 - 18410	Water Depth: 4263
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18410 /16859	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7170
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18684
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17108
API Well Number: 608114027401	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7170 - 18410	Water Depth: 4263
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7170 / 7170	DEF AT first sample examined	DEF AT
7590 / 7585	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9990 / 9717	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11400 /10910	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11850 /11288	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
12060 /11465	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12090 /11491	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12120 /11516	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12240 /11618	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12390 /11745	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12450 /11796	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12600 /11922	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12660 /11972	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14380 /13412	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
15010 /13937	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15400 /14262	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15610 /14436	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15849 /14634	POS AT salt weld	DEF AT
15850 /14635	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16030 /14785	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16330 /15037	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16580 /15246	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 608	<b>Date of Summary:</b> 27-JUL-2000	<b>First Sample Examined:</b> 7170
<b>Lease Number:</b> G18402	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18684
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17108
<b>API Well Number:</b> 608114027401	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7170 - 18410	<b>Water Depth:</b> 4263
<b>Public Info Code:</b> Y 22-JUL-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17780 /16291	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
18110 /16587	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18320 /16777	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18410 /16859	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 07-AUG-2000	First Sample Examined: 15130
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 19510
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18224
API Well Number: 608114027402	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15130 - 19510	Water Depth: 4263
Public Info Code: Y 09-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15130 /14037	DEF AT first sample examined	DEF AT
15430 /14290	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15610 /14448	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15850 /14661	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
15970 /14769	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16220 /14998	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16400 /15165	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17350 /16071	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
17740 /16456	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17961 /16676	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18030 /16745	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18060 /16775	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18180 /16895	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18270 /16985	DEF AT domal material	DEF AT
18420 /17135	DEF AT salt	DEF AT
19510 /18224	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 608	<b>Date of Summary:</b> 07-AUG-2000	<b>First Sample Examined:</b> 17200
<b>Lease Number:</b> G18402	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19510
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18224
<b>API Well Number:</b> 608114027402	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15130 - 17961	<b>Water Depth:</b> 4263
<b>Public Info Code:</b> Y 09-AUG-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15130 /14037	DEF AT first sample examined	DEF AT 5
16180 /14961	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
17590 /16308	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17709 /16425	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17710 /16426	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17860 /16575	DEF AT - - - - -	DEF IN 5
18060 /16775	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
18210 /16925	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
18750 /17464	DEF AT salt	DEF IN 5
19510 /18224	DEF AT last sample examined	DEF IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 13-SEP-2000	First Sample Examined: 7110
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 15188
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13398
API Well Number: 608114027403	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7110 - 15188	Water Depth: 4263
Public Info Code: Y 07-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7110 / 7110	DEF AT first sample examined	DEF AT 5
8730 / 8601	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12120 /11070	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
12390 /11271	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12450 /11316	DEF AT local marker planktic foram increase	DEF AT 5
12690 /11487	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12720 /11508	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
12809 /11572	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
12810 /11572	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12840 /11594	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
12868 /11614	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12869 /11615	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12870 /11616	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12900 /11638	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12930 /11660	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12990 /11703	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
13020 /11724	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
13290 /11916	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
13320 /11937	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
13380 /11980	DEF AT - - - - -	DEF AT 5
13680 /12197	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
14940 /13183	DEF AT local marker deep water fauna	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 608	<b>Date of Summary:</b> 13-SEP-2000	<b>First Sample Examined:</b> 7110
<b>Lease Number:</b> G18402	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15188
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13398
<b>API Well Number:</b> 608114027403	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7110 - 15188	<b>Water Depth:</b> 4263
<b>Public Info Code:</b> Y 07-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15188 /13398	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 13-SEP-2000	First Sample Examined: 7110
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 15188
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13398
API Well Number: 608114027403	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7110 - 15188	Water Depth: 4263
Public Info Code: Y 07-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7110 / 7110	DEF AT first sample examined	DEF AT
7500 / 7496	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10170 / 9642	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11910 /10920	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12690 /11487	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12750 /11529	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12806 /11569	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12807 /11570	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12808 /11571	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12809 /11572	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12810 /11572	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12900 /11638	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12960 /11681	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13200 /11851	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13320 /11937	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14730 /13005	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15188 /13398	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 20-OCT-2000	First Sample Examined: 7100
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 13445
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12331
API Well Number: 608114027404	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7100 - 13445	Water Depth: 4263
Public Info Code: Y 08-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7100 / 7100	DEF AT first sample examined	DEF AT
7280 / 7278	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9920 / 9454	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10880 /10132	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10998 /10220	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10999 /10221	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11000 /10222	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11450 /10579	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11510 /10628	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11720 /10805	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11840 /10908	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12740 /11698	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13040 /11969	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13280 /12184	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
13340 /12238	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13445 /12331	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 20-OCT-2000	First Sample Examined: 7100
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 13445
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12331
API Well Number: 608114027404	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7100 - 13445	Water Depth: 4263
Public Info Code: Y 08-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7100 / 7100	DEF AT first sample examined	DEF AT 5
8630 / 8538	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8810 / 8684	DEF AT -----	DEF AT 4
10550 / 9895	DEF AT -----	DEF AT 5
10640 / 9959	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11090 /10290	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11120 /10313	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
11149 /10336	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
11150 /10337	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
11329 /10480	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11330 /10481	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11360 /10505	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
11420 /10554	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
11510 /10628	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11538 /10651	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11539 /10652	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11540 /10653	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11780 /10857	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
12860 /11806	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
13310 /12211	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 5
13445 /12331	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 23-JAN-2001	First Sample Examined: 6970
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17714
API Well Number: 608114028800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6970 - 18000	Water Depth: 4269
Public Info Code: Y 19-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6970 / 6969	DEF AT first sample examined	DEF AT 5
7390 / 7389	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7480 / 7479	DEF AT - - - - -	DEF AT 4
9369 / 9368	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9370 / 9369	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9399 / 9398	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
9400 / 9399	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
9430 / 9429	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9487 / 9486	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9488 / 9487	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9489 / 9488	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
9490 / 9489	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9520 / 9519	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9549 / 9548	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
9550 / 9549	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
9610 / 9608	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
9670 / 9668	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
9700 / 9698	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
9880 / 9875	DEF AT - - - - -	DEF AT 6
10090 /10076	DEF AT - - - - -	DEF IN 5
12340 /12065	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
14260 /13915	DEF AT - - - - -	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 608	<b>Date of Summary:</b> 23-JAN-2001	<b>First Sample Examined:</b> 6970
<b>Lease Number:</b> G18402	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18071
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17714
<b>API Well Number:</b> 608114028800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6970 - 18000	<b>Water Depth:</b> 4269
<b>Public Info Code:</b> Y 19-DEC-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15040 /14694	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
16210 /15862	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
16360 /16012	DEF AT - - - - -	DEF AT 5
17109 /16758	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17110 /16759	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17570 /17217	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17775 /17421	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
17920 /17565	DEF AT salt	DEF AT 5
18000 /17644	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 23-JAN-2001	First Sample Examined: 6970
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17714
API Well Number: 608114028800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6970 - 18000	Water Depth: 4269
Public Info Code: Y 19-DEC-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6970 / 6969	DEF AT first sample examined	DEF AT
7210 / 7209	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9369 / 9368	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9370 / 9369	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9429 / 9428	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
9430 / 9429	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9459 / 9458	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9460 / 9459	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9490 / 9489	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9550 / 9549	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9610 / 9608	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9700 / 9698	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12190 / 11929	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12940 / 12622	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13870 / 13528	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14020 / 13676	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14350 / 14004	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15130 / 14784	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15550 / 15203	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15640 / 15293	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16240 / 15892	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16720 / 16371	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608  
 Lease Number: G18402  
 Well Name: 002  
 API Well Number: 608114028800  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 19-DEC-2010

Date of Summary: 23-JAN-2001  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: ANADARKO PETROLEUM CORPORATION  
 Sample Range: 6970 - 18000  
 Ecozone Eq MMS:

First Sample Examined: 6970  
 Borehole MD: 18071  
 Borehole TVD: 17714  
 Rkb Elevation: 82  
 Water Depth: 4269  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17110 /16759	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
17470 /17118	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17710 /17356	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17830 /17475	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17860 /17505	DEF AT salt	DEF AT
18000 /17644	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 03-JUL-2002	First Sample Examined: 7040
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 12740
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12361
API Well Number: 608114034100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 7040 - 12740	Water Depth: 4287
Public Info Code: Y 18-JUL-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 7040	DEF AT first sample examined	DEF AT 5
7670 / 7667	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10340 /10133	DEF AT - - - - -	DEF IN 5
10370 /10161	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
10640 /10412	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
10700 /10467	DEF AT - - - - -	DEF AT 5
10910 /10660	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
10970 /10716	DEF AT - - - - -	DEF IN 5
11120 /10854	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11150 /10882	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11330 /11048	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11390 /11103	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11418 /11129	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11419 /11130	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11420 /11131	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11450 /11158	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 5
11540 /11241	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
11660 /11351	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
11840 /11517	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
12560 /12191	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
12740 /12361	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 03-JUL-2002	First Sample Examined: 7040
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 12740
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12361
API Well Number: 608114034100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 7040 - 12740	Water Depth: 4287
Public Info Code: Y 18-JUL-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7040 / 7040	DEF AT first sample examined	DEF AT
7430 / 7429	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9620 / 9475	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9890 / 9721	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10400 /10188	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10640 /10412	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10700 /10467	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10880 /10633	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11300 /11020	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11420 /11131	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11480 /11186	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11570 /11269	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11720 /11406	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12620 /12248	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12740 /12361	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 608	<b>Date of Summary:</b> 20-AUG-2002	<b>First Sample Examined:</b> 7040
<b>Lease Number:</b> G18402	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13221
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13025
<b>API Well Number:</b> 608114034500	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7040 - 13220	<b>Water Depth:</b> 4287
<b>Public Info Code:</b> Y 23-AUG-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 7039	DEF AT first sample examined	DEF AT 5
7760 / 7759	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9800 / 9799	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9830 / 9829	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9950 / 9948	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
10730 /10713	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10789 /10769	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
10790 /10770	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11089 /11052	POS IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
11090 /11053	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11120 /11081	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF IN 5
11178 /11135	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF IN 5
11179 /11136	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
11180 /11137	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11239 /11192	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
11240 /11193	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11270 /11221	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11300 /11249	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11329 /11276	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11330 /11277	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11390 /11332	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 5
11690 /11610	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608  
 Lease Number: G18402  
 Well Name: A005  
 API Well Number: 608114034500  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 23-AUG-2012

Date of Summary: 20-AUG-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: ANADARKO PETROLEUM CORPORATION  
 Sample Range: 7040 - 13220  
 Ecozone Eq MMS: Y

First Sample Examined: 7040  
 Borehole MD: 13221  
 Borehole TVD: 13025  
 Rkb Elevation: 72  
 Water Depth: 4287  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11720 /11638	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
11750 /11665	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
12770 /12608	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
12920 /12747	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
12950 /12775	DEF AT - - - - -	POS AT 6
13100 /12913	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
13220 /13024	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 608	<b>Date of Summary:</b> 20-AUG-2002	<b>First Sample Examined:</b> 7040
<b>Lease Number:</b> G18402	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13221
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13025
<b>API Well Number:</b> 608114034500	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7040 - 13220	<b>Water Depth:</b> 4287
<b>Public Info Code:</b> Y 23-AUG-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 7039	DEF AT first sample examined	DEF AT
7460 / 7459	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9830 / 9829	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9920 / 9919	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10400 /10393	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10789 /10769	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10790 /10770	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10970 /10940	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11240 /11193	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11330 /11277	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11510 /11444	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11600 /11527	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11780 /11693	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12380 /12248	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
12650 /12498	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12978 /12800	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12979 /12801	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
12980 /12802	POS AT salt weld	DEF AT
13010 /12830	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13130 /12941	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
13220 /13024	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 28-JAN-2003	First Sample Examined: 10290
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 12950
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12508
API Well Number: 608114034700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 10290 - 12950	Water Depth: 4287
Public Info Code: Y 11-FEB-2013	Ecozone Eq MMS:	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
10290 /10131	DEF AT first sample examined	DEF AT 5
10410 /10236	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10560 /10368	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10860 /10637	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11130 /10880	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11190 /10935	DEF AT -----	DEF IN 5
11250 /10989	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11310 /11043	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11340 /11070	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11510 /11223	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11550 /11258	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11609 /11311	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11610 /11312	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11700 /11393	DEF AT -----	DEF IN 5
11910 /11581	DEF AT -----	DEF AT 5
12480 /12091	DEF AT -----	DEF IN 5
12690 /12278	DEF AT -----	DEF AT 5
12950 /12508	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 608	Date of Summary: 28-JAN-2003	First Sample Examined: 10290
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 12950
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12508
API Well Number: 608114034700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 10290 - 12950	Water Depth: 4287
Public Info Code: Y 11-FEB-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10290 /10131	DEF AT first sample examined	DEF AT
10350 /10183	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10560 /10368	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10830 /10610	DEF AT out-of-place section	DEF AT
10890 /10664	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11000 /10763	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11190 /10935	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11250 /10989	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11280 /11016	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11310 /11043	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11370 /11097	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11400 /11124	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11460 /11178	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11520 /11231	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11610 /11312	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11730 /11420	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11910 /11581	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12150 /11796	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12480 /12091	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
12840 /12411	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12870 /12438	DEF IN salt	DEF AT
12950 /12508	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 610	<b>Date of Summary:</b> 26-AUG-2002	<b>First Sample Examined:</b> 14900
<b>Lease Number:</b> G16765	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21323
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 20651
<b>API Well Number:</b> 608114033800	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 14900 - 21290	<b>Water Depth:</b> 4394
<b>Public Info Code:</b> Y 24-SEP-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Shenzi Prospect, preliminary calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14900 /14858	DEF AT first sample examined	DEF AT
14901 /14859	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14960 /14911	DEF AT gouge	DEF AT
17299 /16990	DEF IN salt	DEF AT
17300 /16991	DEF AT out-of-place section	DEF AT
21287 /20618	DEF AT floral flood	DEF AT
21288 /20619	POS AT Oligocene	DEF AT
21289 /20620	POS AT Eocene	DEF AT
21290 /20621	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-NOV-2002	First Sample Examined: 7025
Lease Number: G16765	Source of Paleo: OPERATOR	Borehole MD: 21323
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20651
API Well Number: 608114033800	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 3	Sample Range: 7025 - 15676	Water Depth: 4394
Public Info Code: Y 24-SEP-2012	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Shenzi Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7025 / 7024	DEF AT first sample examined	DEF AT
7130 / 7129	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
7760 / 7759	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7970 / 7969	DEF AT local marker floral increase	DEF AT
8299 / 8298	DEF AT condensed section	DEF AT
8300 / 8299	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
8390 / 8389	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9080 / 9078	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9169 / 9167	DEF AT condensed section	DEF AT
9170 / 9168	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9440 / 9438	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9830 / 9828	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
9860 / 9858	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9890 / 9888	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
9920 / 9918	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9950 / 9948	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9980 / 9978	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
10010 /10008	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10190 /10188	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
10280 /10278	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
10400 /10398	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10430 /10428	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-NOV-2002	First Sample Examined: 7025
Lease Number: G16765	Source of Paleo: OPERATOR	Borehole MD: 21323
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20651
API Well Number: 608114033800	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 3	Sample Range: 7025 - 15676	Water Depth: 4394
Public Info Code: Y 24-SEP-2012	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10640 /10637	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10790 /10787	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
10820 /10817	DEF AT Upper (Late) Miocene	DEF AT
10950 /10947	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
11210 /11207	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11600 /11597	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11630 /11627	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
11690 /11687	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11780 /11777	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
12020 /12017	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
12470 /12467	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14030 /14024	DEF AT local marker floral increase	DEF AT
14510 /14494	DEF AT local marker floral increase	DEF AT
14810 /14776	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14870 /14831	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14899 /14857	DEF AT gouge	DEF AT
14900 /14858	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
14960 /14911	DEF AT salt	DEF AT
15020 /14965	DEF AT drilling material	DEF AT
15676 /15536	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-DEC-2002	First Sample Examined: 7025
Lease Number: G16765	Source of Paleo: OPERATOR	Borehole MD: 21323
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20651
API Well Number: 608114033800	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 3 of 3	Sample Range: 7025 - 15676	Water Depth: 4394
Public Info Code: Y 24-SEP-2012	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Shenzi Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7025 / 7024	DEF AT first sample examined	DEF AT 4
7190 / 7189	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7400 / 7399	DEF AT -----	DEF IN 4
7610 / 7609	DEF AT -----	DEF AT 4
7790 / 7789	DEF AT -----	DEF IN 4
7940 / 7939	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8300 / 8299	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8420 / 8419	DEF AT -----	DEF AT 4
8900 / 8898	POS AT reworked material	DEF AT 4
8990 / 8988	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
9050 / 9048	DEF AT -----	DEF IN 5
9110 / 9108	DEF AT local marker planktic foram increase	DEF IN 5
9230 / 9228	DEF AT local marker planktic foram increase	DEF AT 6
9350 / 9348	DEF AT -----	DEF IN 4
9440 / 9438	DEF AT -----	DEF AT 5
9828 / 9826	DEF AT condensed section	DEF IN 6
9829 / 9827	DEF AT local marker planktic foram increase	DEF IN 6
9830 / 9828	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 6
9860 / 9858	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 6
9889 / 9887	DEF AT foram flood	DEF IN 6
9890 / 9888	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
9920 / 9918	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610  
Lease Number: G16765  
Well Name: 001  
API Well Number: 608114033800  
Paleo Report Num: 3 of 3  
Public Info Code: Y 24-SEP-2012

Date of Summary: 01-DEC-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 7025 - 15676  
Ecozone Eq MMS: Y

First Sample Examined: 7025  
Borehole MD: 21323  
Borehole TVD: 20651  
Rkb Elevation: 83  
Water Depth: 4394  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9950 / 9948	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 6
10010 /10008	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6
10040 /10038	DEF AT -----	DEF AT 6
10280 /10278	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
10400 /10398	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10490 /10488	DEF AT -----	DEF IN 6
10520 /10518	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 6
10610 /10608	DEF AT -----	DEF AT 5
10730 /10727	DEF AT transported shelf fauna	DEF AT 5
10910 /10907	DEF AT -----	DEF AT 6
11210 /11207	DEF AT -----	DEF IN 5
11240 /11237	DEF AT transported shelf fauna	DEF IN 5
11360 /11357	DEF AT -----	DEF AT 5
11420 /11417	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11810 /11807	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 4
12020 /12017	DEF AT -----	DEF AT 5
12110 /12107	DEF AT local marker foram increase	DEF AT 5
12590 /12587	POS IN Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
12740 /12737	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 4
12860 /12857	DEF AT local marker foram increase	DEF IN 4
13009 /13006	DEF AT cement	DEF AT 4
13010 /13007	DEF AT local marker foram decrease	DEF AT 4
13550 /13546	DEF AT -----	DEF IN 4
13910 /13905	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610  
 Lease Number: G16765  
 Well Name: 001  
 API Well Number: 608114033800  
 Paleo Report Num: 3 of 3  
 Public Info Code: Y 24-SEP-2012

Date of Summary: 01-DEC-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
 Sample Range: 7025 - 15676  
 Ecozone Eq MMS: Y

First Sample Examined: 7025  
 Borehole MD: 21323  
 Borehole TVD: 20651  
 Rkb Elevation: 83  
 Water Depth: 4394  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14450 /14436	DEF AT local marker foram increase	DEF AT 5
14510 /14494	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
14810 /14776	DEF AT foram flood	DEF AT 6
14900 /14858	DEF AT gouge	DEF IN 6
15140 /15071	DEF AT -----	DEF AT 5
15676 /15536	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-NOV-2002	First Sample Examined: 21510
Lease Number: G20085	Source of Paleo: OPERATOR	Borehole MD: 26295
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25282
API Well Number: 608114033801	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 21510 - 26270	Water Depth: 4394
Public Info Code: Y 09-NOV-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Shenzi Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21510 /20809	DEF AT first sample examined	DEF AT
21511 /20810	DEF AT out-of-place section	DEF AT
22040 /21296	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22070 /21323	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22640 /21836	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
23030 /22188	DEF AT sample gap top	DEF AT
23120 /22269	DEF AT sample gap bottom	DEF AT
23270 /22404	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23630 /22732	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23720 /22814	DEF AT local marker floral increase	DEF AT
23960 /23036	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
24470 /23513	DEF AT local marker floral increase	DEF AT
24860 /23884	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24905 /23928	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25250 /24261	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
25520 /24524	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
25580 /24582	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26090 /25081	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26150 /25140	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
26240 /25228	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-DEC-2002	First Sample Examined: 21440
Lease Number: G20085	Source of Paleo: OPERATOR	Borehole MD: 26295
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25282
API Well Number: 608114033801	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 21440 - 26295	Water Depth: 4394
Public Info Code: Y 09-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Shenzi Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21440 /20746	DEF AT first sample examined	DEF IN 4
21441 /20747	DEF IN Upper (Late) Miocene	DEF IN 4
21590 /20883	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
21650 /20938	DEF AT - - - - -	DEF AT 4
21700 /20983	DEF AT reworked material	DEF AT 4
21980 /21241	DEF AT faunal change (no faunal increase)	POS AT 4
22310 /21539	DEF AT faunal change (no faunal increase)	DEF AT 4
22610 /21809	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
22910 /22080	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
23030 /22188	DEF AT sample gap top	POS AT 4
23120 /22269	DEF AT sample gap bottom	DEF AT 4
23180 /22323	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
23390 /22513	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23630 /22732	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23990 /23064	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24319 /23371	POS AT condensed section	DEF AT 4
24320 /23372	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
24350 /23400	DEF AT local marker planktic foram increase	DEF AT 5
24590 /23627	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24770 /23798	DEF AT faunal change (no faunal increase)	DEF AT 4
25010 /24029	DEF AT faunal change (no faunal increase)	DEF AT 5
25130 /24145	DEF AT Arenaceous fauna (local marker)	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 610	<b>Date of Summary:</b> 01-DEC-2002	<b>First Sample Examined:</b> 21440
<b>Lease Number:</b> G20085	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26295
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25282
<b>API Well Number:</b> 608114033801	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 21440 - 26295	<b>Water Depth:</b> 4394
<b>Public Info Code:</b> Y 09-NOV-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25430 /24436	DEF AT Arenaceous fauna (local marker)	DEF IN 4
25520 /24524	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
25610 /24611	DEF AT - - - - -	DEF AT 4
25700 /24699	DEF AT local marker foram increase	DEF AT 4
25820 /24816	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25910 /24905	DEF AT local marker foram increase	DEF AT 4
26060 /25052	DEF AT - - - - -	DEF IN 4
26295 /25282	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-NOV-2002	First Sample Examined: 24490
Lease Number: G20085	Source of Paleo: OPERATOR	Borehole MD: 26607
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25485
API Well Number: 608114033802	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 24490 - 26607	Water Depth: 4394
Public Info Code: Y 04-DEC-2012	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Shenzi Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24490 /23499	DEF AT first sample examined	DEF AT
24580 /23581	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
24670 /23663	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24700 /23690	DEF AT sample gap top	DEF AT
24793 /23774	DEF AT sample gap bottom	DEF AT
24865 /23840	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25090 /24047	DEF AT local marker floral increase	DEF AT
25240 /24187	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25390 /24327	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
25810 /24722	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25840 /24751	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
25900 /24808	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
25930 /24836	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
25960 /24865	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
26380 /25266	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
26470 /25353	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
26590 /25469	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-DEC-2002	First Sample Examined: 22600
Lease Number: G20085	Source of Paleo: OPERATOR	Borehole MD: 26607
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25485
API Well Number: 608114033802	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 22600 - 26607	Water Depth: 4394
Public Info Code: Y 04-DEC-2012	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Shenzi Prospect, 22601=in middle Miocene Gyroidina scalata, 25540=middle Miocene Robulus 2 with large faunal increase and possible Siphogenerina transversa, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22600 /21801	DEF AT first sample examined	DEF AT 4
22601 /21802	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
22660 /21856	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
22930 /22101	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
23770 /22850	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23890 /22957	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
24098 /23143	DEF AT condensed section	DEF AT 4
24099 /23144	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 4
24100 /23145	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
24580 /23581	DEF AT - - - - -	DEF AT 5
24670 /23663	DEF AT sample gap top	POS AT 5
24793 /23774	DEF AT sample gap bottom	POS AT 4
24970 /23936	DEF AT - - - - -	DEF AT 4
25240 /24187	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
25300 /24243	DEF AT local marker foram increase	DEF IN 4
25450 /24383	DEF AT local marker foram increase	DEF IN 4
25540 /24468	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
25839 /24750	DEF AT local marker planktic foram increase	DEF IN 4
25840 /24751	POS AT deepwater facies Pontchartrain	DEF AT 5
25930 /24836	DEF AT - - - - -	DEF AT 4
26110 /25008	DEF AT local marker deep water fauna	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 610	<b>Date of Summary:</b> 01-DEC-2002	<b>First Sample Examined:</b> 22600
<b>Lease Number:</b> G20085	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26607
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25485
<b>API Well Number:</b> 608114033802	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22600 - 26607	<b>Water Depth:</b> 4394
<b>Public Info Code:</b> Y 04-DEC-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26260 /25151	DEF AT local marker planktic foram increase	DEF IN 4
26380 /25266	DEF AT Arenaceous fauna (local marker)	DEF IN 4
26500 /25382	DEF AT local marker foram increase	DEF AT 5
26607 /25485	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-DEC-2002	First Sample Examined: 25630
Lease Number: G20085	Source of Paleo: OPERATOR	Borehole MD: 27337
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26165
API Well Number: 608114033803	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 25630 - 27337	Water Depth: 4394
Public Info Code: Y 01-JAN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Shenzi Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25630 /24552	DEF AT first sample examined	DEF AT 4
25631 /24553	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
25750 /24667	DEF AT local marker foram increase	DEF AT 4
25810 /24724	DEF AT local marker foram increase	DEF AT 4
25840 /24753	DEF AT - - - - -	DEF IN 4
25870 /24782	DEF AT deepwater facies Pontchartrain	DEF IN 4
25930 /24840	DEF AT - - - - -	DEF AT 4
26200 /25101	DEF AT local marker planktic foram increase	DEF AT 4
26440 /25333	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26690 /25574	DEF AT local marker foram increase	DEF IN 4
26750 /25632	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
27049 /25911	POS AT condensed section	DEF IN 4
27050 /25912	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF IN 4
27170 /26019	DEF AT local marker deep water fauna	DEF IN 4
27230 /26072	DEF AT local marker foram decrease	DEF IN 4
27290 /26124	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
27337 /26165	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 610	Date of Summary: 01-DEC-2002	First Sample Examined: 25630
Lease Number: G20085	Source of Paleo: OPERATOR	Borehole MD: 27337
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26165
API Well Number: 608114033803	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 25630 - 27337	Water Depth: 4394
Public Info Code: Y 01-JAN-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Shenzi Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
25630 /24552	DEF AT first sample examined	DEF AT
25631 /24553	DEF IN Lower (Early) Miocene	DEF AT
25840 /24753	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
25900 /24811	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
25960 /24869	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
26410 /25304	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
26480 /25372	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
26490 /25382	DEF AT local marker floral increase	DEF AT
26720 /25603	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
26870 /25745	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
26930 /25801	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
27020 /25884	DEF AT reworked material	DEF AT
27050 /25912	DEF AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF AT
27110 /25966	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
27200 /26045	DEF AT local marker floral increase	DEF AT
27230 /26072	DEF AT local marker floral increase	DEF AT
27260 /26098	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
27320 /26150	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
27321 /26151	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
27337 /26165	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 639	Date of Summary: 11-NOV-2008	First Sample Examined: 8474
Lease Number: G20081	Source of Paleo: OPERATOR	Borehole MD: 28110
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28000
API Well Number: 608114051700	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 87
Paleo Report Num: 1 of 2	Sample Range: 8474 - 9820	Water Depth: 3926
Public Info Code: Y 20-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Suprasalt consultant-integrated foram and nanno report, salt encountered at 9800, no samples collected from 9820 to 14000, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8474 / 8472	DEF AT first sample examined	DEF AT 5
8528 / 8526	POS AT maximum flooding surface	DEF AT 5
8529 / 8527	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT 5
8530 / 8528	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8590 / 8588	DEF AT - - - - -	DEF IN 5
8739 / 8737	POS AT maximum flooding surface	DEF IN 5
8740 / 8738	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8770 / 8768	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
8800 / 8798	DEF AT - - - - -	DEF AT 5
9099 / 9097	POS AT maximum flooding surface	DEF AT 5
9100 / 9098	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
9160 / 9158	POS IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9519 / 9517	POS AT maximum flooding surface	DEF AT 5
9520 / 9518	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
9547 / 9545	DEF AT condensed section	DEF AT 5
9548 / 9546	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9549 / 9547	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9550 / 9548	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9580 / 9578	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
9699 / 9697	POS AT maximum flooding surface	DEF AT 5
9700 / 9698	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 639	<b>Date of Summary:</b> 11-NOV-2008	<b>First Sample Examined:</b> 8474
<b>Lease Number:</b> G20081	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28110
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 28000
<b>API Well Number:</b> 608114051700	<b>Drilling Operator:</b> ENI US OPERATING CO INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8474 - 9820	<b>Water Depth:</b> 3926
<b>Public Info Code:</b> Y 20-MAY-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9756 / 9754	POS AT maximum flooding surface	DEF AT 5
9757 / 9755	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
9758 / 9756	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9759 / 9757	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
9760 / 9758	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9820 / 9818	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 639	Date of Summary: 25-SEP-2009	First Sample Examined: 26590
Lease Number: G20081	Source of Paleo: OPERATOR	Borehole MD: 28110
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28000
API Well Number: 608114051700	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 87
Paleo Report Num: 2 of 2	Sample Range: 26590 - 28100	Water Depth: 3926
Public Info Code: Y 20-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Subsalt consultant-integrated foram and nanno report, 27401=overturned Turonian to Coniacian strata prevailing, continuing to Campanian-Maastrichtian age to TD

MD / TVD	Paleo Top Description	Ecozone
26590 /26525	DEF AT first sample examined	DEF AT 5
26591 /26526	DEF IN Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 5
26708 /26638	POS AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 5
26709 /26639	POS AT Upper Cretaceous (Cenomanian) Rotalipora gandolfii	DEF AT 5
26710 /26640	POS AT Lower Cretaceous (Albian) Prediscosphaera columnata	DEF AT 5
26800 /26726	DEF AT Upper Cretaceous (Cenomanian) Textularia rioensis	DEF AT
26950 /26869	DEF AT Upper Cretaceous (Cenomanian) Coriolithon kennedyi	DEF AT
27190 /27100	DEF AT Upper Cretaceous (Cenomanian) Lithraphidites acutus	DEF AT
27249 /27158	DEF AT radiolarians	DEF AT
27250 /27159	POS IN Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT
27401 /27306	DEF IN Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT
27402 /27307	DEF IN Upper Cretaceous (Santonian) Lithastrinus moratus	DEF AT
27459 /27363	DEF IN Upper Cretaceous (Santonian) Dicarotella concavata	DEF AT
27460 /27364	DEF IN Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
27730 /27628	DEF IN Upper Cretaceous (Campanian) Aspidolithus parvus parvus	DEF AT
27910 /27804	DEF IN Upper Cretaceous (Campanian) Globotruncana elevata	DEF AT
28060 /27951	DEF IN Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
28100 /27990	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 01-MAY-2002	First Sample Examined: 19340
Lease Number: G16770	Source of Paleo: OPERATOR	Borehole MD: 29410
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28781
API Well Number: 608114033001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 3	Sample Range: 19340 - 29410	Water Depth: 4017
Public Info Code: Y 10-JUN-2012	Ecozone Eq MMS:	Paleo ID: 003

Remark: Tahiti Prospect, calcareous nannofossil report done by R E Constans

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19340 /19307	DEF AT first sample examined	DEF AT
19341 /19308	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19920 /19878	POS AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
20020 /19976	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20800 /20742	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21060 /20992	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21790 /21665	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22420 /22233	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
24280 /23922	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25660 /25204	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26170 /25685	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
26710 /26199	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27910 /27342	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27940 /27370	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 30-MAY-2002	First Sample Examined: 19300
Lease Number: G16770	Source of Paleo: OPERATOR	Borehole MD: 29410
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28781
API Well Number: 608114033001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 3	Sample Range: 19300 - 29410	Water Depth: 4017
Public Info Code: Y 10-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tahiti Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19300 /19268	DEF AT first sample examined	DEF AT 3
19340 /19307	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 3
19540 /19504	DEF AT -----	DEF AT 4
19580 /19544	DEF AT -----	DEF IN 3
19660 /19622	DEF AT -----	DEF AT 3
20260 /20211	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
20620 /20565	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
20900 /20839	DEF AT Arenaceous fauna (local marker)	DEF AT 3
20960 /20896	DEF AT -----	DEF IN 3
21040 /20973	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
21120 /21049	DEF AT -----	DEF AT 3
21700 /21583	DEF AT local marker foram increase	DEF AT 3
22060 /21909	DEF AT Arenaceous fauna (local marker)	DEF AT 3
22600 /22396	DEF AT -----	DEF AT 4
22690 /22477	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
23440 /23155	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
23890 /23565	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
23920 /23592	DEF AT local marker foram increase	DEF AT 5
24070 /23729	DEF AT -----	DEF AT 4
24850 /24448	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25690 /25232	DEF AT ash	DEF AT 4
25810 /25345	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
Lease Number: G16770  
Well Name: 001  
API Well Number: 608114033001  
Paleo Report Num: 2 of 3  
Public Info Code: Y 10-JUN-2012

Date of Summary: 30-MAY-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19300 - 29410  
Ecozone Eq MMS: Y

First Sample Examined: 19300  
Borehole MD: 29410  
Borehole TVD: 28781  
Rkb Elevation: 94  
Water Depth: 4017  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25840 /25373	DEF AT -----	DEF IN 4
25900 /25430	DEF AT -----	DEF AT 4
26169 /25684	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
26170 /25685	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
26230 /25742	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 4
26290 /25799	DEF AT -----	DEF AT 4
26350 /25856	DEF AT out-of-place section	DEF AT 4
26800 /26284	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26950 /26427	DEF AT -----	DEF AT 4
27040 /26513	DEF AT Eggerella sp. (local marker)	DEF AT 4
27100 /26570	POS AT -----	DEF IN 3
27460 /26913	DEF AT -----	DEF AT 4
28420 /27829	DEF AT reworked material	DEF AT 4
29410 /28781	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 30-MAY-2002	First Sample Examined: 19300
Lease Number: G16770	Source of Paleo: OPERATOR	Borehole MD: 29410
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28781
API Well Number: 608114033001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 3 of 3	Sample Range: 19300 - 29410	Water Depth: 4017
Public Info Code: Y 10-JUN-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tahiti Prospect, company-integrated foram and nanno report, 26680=middle Miocene Praeorbulina glomerosa curva, 26860=in middle Miocene Praeorbulina glomerosa circularis, 26920=in middle Miocene Nonion 21 and Globoquadrina altispira coiling change from right to left, 27820=middle Miocene Globigerina diminutus, foram species abundance and diversity chart available, see report for details (see ecozones in Total Biostratigraphic Services Inc report in G20082)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19300 /19268	DEF AT first sample examined	DEF AT
19301 /19269	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
19340 /19307	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20000 /19956	DEF IN Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
20020 /19976	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20360 /20310	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20540 /20487	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
21080 /21011	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
22090 /21936	DEF AT local marker (general)	DEF AT
22420 /22233	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22510 /22314	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
22870 /22639	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23050 /22802	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23290 /23019	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
23890 /23565	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
24010 /23674	DEF IN local marker planktic foram increase	DEF AT
25660 /25204	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25840 /25373	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
26139 /25656	DEF IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
Lease Number: G16770  
Well Name: 001  
API Well Number: 608114033001  
Paleo Report Num: 3 of 3  
Public Info Code: Y 10-JUN-2012

Date of Summary: 30-MAY-2002  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19300 - 29410  
Ecozone Eq MMS:

First Sample Examined: 19300  
Borehole MD: 29410  
Borehole TVD: 28781  
Rkb Elevation: 94  
Water Depth: 4017  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26140 /25657	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
26680 /26170	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
26800 /26284	DEF IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
26830 /26313	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26860 /26341	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
26920 /26398	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
27250 /26713	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27820 /27256	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
28300 /27715	POS IN Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT
29410 /28781	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 31-MAR-2002	First Sample Examined: 19120
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 28411
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28118
API Well Number: 608114033000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 4	Sample Range: 19120 - 28411	Water Depth: 4017
Public Info Code: Y 28-APR-2012	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Tahiti Prospect, calcareous nannofossil report, paleo done by Theresa MDunn, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19120 /19090	DEF AT first sample examined	DEF AT
19121 /19091	DEF AT out-of-place section	DEF AT
19550 /19515	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20010 /19971	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20040 /20001	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
21360 /21312	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21930 /21878	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22170 /22117	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23550 /23483	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24500 /24418	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24620 /24536	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24820 /24732	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26180 /26061	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
26340 /26217	POS AT Lower Miocene (Aquitanean) Discoaster saundersi	DEF AT
27100 /26950	POS AT reworked material	DEF AT
27340 /27179	POS AT Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF AT
27660 /27477	DEF AT reworked material	DEF AT
28411 /28118	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 10-APR-2002	First Sample Examined: 19120
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 28411
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28118
API Well Number: 608114033000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 4	Sample Range: 19120 - 28411	Water Depth: 4017
Public Info Code: Y 28-APR-2012	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Tahiti Prospect, 25500=dwarfed fauna

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19120 /19090	DEF AT first sample examined	DEF AT 4
19121 /19091	DEF AT out-of-place section	DEF AT 4
19250 /19218	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 3
19310 /19278	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
19400 /19367	DEF AT -----	DEF AT 3
19580 /19545	DEF AT -----	DEF AT 4
19640 /19604	DEF AT -----	DEF AT 3
19890 /19852	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
20520 /20478	DEF AT -----	DEF IN 3
20550 /20508	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
21150 /21104	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF IN 3
21450 /21402	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
21690 /21640	DEF AT Arenaceous fauna (local marker)	DEF IN 3
21810 /21759	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
21960 /21908	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
22020 /21968	DEF AT faunal change (no faunal increase)	DEF AT 4
22080 /22027	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
22170 /22117	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
22260 /22206	DEF AT faunal change (no faunal increase)	DEF AT 4
22320 /22266	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
22350 /22295	DEF AT -----	DEF AT 4
22650 /22593	DEF AT local marker foram increase	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
Lease Number: G20082  
Well Name: 001  
API Well Number: 608114033000  
Paleo Report Num: 2 of 4  
Public Info Code: Y 28-APR-2012

Date of Summary: 10-APR-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19120 - 28411  
Ecozone Eq MMS: Y

First Sample Examined: 19120  
Borehole MD: 28411  
Borehole TVD: 28118  
Rkb Elevation: 94  
Water Depth: 4017  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22740 /22682	DEF AT - - - - -	DEF AT 4
23160 /23098	POS AT Arenaceous fauna (local marker)	DEF AT 4
23220 /23157	DEF AT local marker foram increase	DEF AT 4
23310 /23246	DEF AT local marker foram increase	DEF IN 4
23520 /23454	DEF AT local marker foram increase	DEF IN 4
23730 /23661	DEF AT Arenaceous fauna (local marker)	DEF IN 4
24260 /24182	DEF AT out-of-place section	DEF IN 4
24280 /24202	POS AT ash	DEF IN 4
24400 /24320	POS AT Arenaceous fauna (local marker)	DEF IN 4
24520 /24438	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
24600 /24516	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
24640 /24555	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
25040 /24948	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
25280 /25183	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
25500 /25398	DEF AT local marker (general)	DEF AT 4
25580 /25477	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25980 /25867	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26160 /26042	DEF AT - - - - -	DEF AT 3
26200 /26081	DEF AT local marker foram increase	DEF AT 4
26380 /26256	POS AT Lower Miocene (Aquitanean) Globorotalia kugleri	DEF IN 4
26440 /26314	DEF AT - - - - -	DEF AT 4
26700 /26565	DEF AT local marker foram increase	DEF AT 4
27280 /27122	DEF AT - - - - -	DEF IN 3
27700 /27513	DEF AT local marker planktic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 10-APR-2002	<b>First Sample Examined:</b> 19120
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28411
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28118
<b>API Well Number:</b> 608114033000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 19120 - 28411	<b>Water Depth:</b> 4017
<b>Public Info Code:</b> Y 28-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28040 /27813	DEF AT local marker planktic foram increase	DEF AT 4
28160 /27914	DEF AT limestone	DEF AT 4
28411 /28118	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 29-APR-2002	First Sample Examined: 7590
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 28411
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28118
API Well Number: 608114033000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 3 of 4	Sample Range: 7590 - 28411	Water Depth: 4017
Public Info Code: Y 28-APR-2012	Ecozone Eq MMS:	Paleo ID: 001

Remark: Tahiti Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7590 / 7590	DEF AT first sample examined	DEF AT
7591 / 7591	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
7592 / 7592	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8370 / 8370	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT
8371 / 8371	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8490 / 8490	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8520 / 8519	POS AT salt	DEF AT
8525 / 8524	DEF AT salt	DEF AT
19130 /19099	DEF AT base of salt	DEF AT
19250 /19218	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19890 /19852	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
19980 /19942	DEF IN Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
20040 /20001	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20550 /20508	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
21360 /21312	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21450 /21402	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
21810 /21759	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
21930 /21878	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21960 /21908	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
22080 /22027	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
22140 /22087	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22319 /22265	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 29-APR-2002	First Sample Examined: 7590
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 28411
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28118
API Well Number: 608114033000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 3 of 4	Sample Range: 7590 - 28411	Water Depth: 4017
Public Info Code: Y 28-APR-2012	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 /22266	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22650 /22593	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
23550 /23483	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24120 /24045	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24320 /24241	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24360 /24281	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
24500 /24418	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
24580 /24496	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24640 /24555	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
25100 /25007	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25280 /25183	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
25300 /25202	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
26160 /26042	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
26700 /26565	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT
28040 /27813	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
28411 /28118	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 17-OCT-2002	<b>First Sample Examined:</b> 7590
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28411
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28118
<b>API Well Number:</b> 608114033000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 7590 - 25100	<b>Water Depth:</b> 4017
<b>Public Info Code:</b> Y 28-APR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Tahiti Prospect, calcareous nannofossil report, paleo done by RE Constans, 12100=salt suture, with Discoaster bollii as the oldest nannospecies observed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7590 / 7590	DEF AT first sample examined	DEF AT
7591 / 7591	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8370 / 8370	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8490 / 8490	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8520 / 8519	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8550 / 8549	DEF AT salt	DEF AT
12100 /12090	DEF IN salt	DEF AT
19130 /19099	DEF AT base of salt	DEF AT
19250 /19218	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19980 /19942	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
20040 /20001	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21360 /21312	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21930 /21878	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22140 /22087	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22320 /22266	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23550 /23483	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24120 /24045	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24320 /24241	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24580 /24496	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25099 /25006	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
25100 /25007	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 01-JUL-2002	First Sample Examined: 19100
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 26804
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26027
API Well Number: 608114033002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 19100 - 26790	Water Depth: 4017
Public Info Code: Y 05-JUL-2012	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Tahiti Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19100 /19066	DEF AT first sample examined	DEF AT
19280 /19240	DEF IN Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
19340 /19297	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20420 /20288	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21020 /20815	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21770 /21483	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23510 /23044	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23900 /23398	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24140 /23615	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24560 /23996	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26630 /25874	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26790 /26014	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 17-DEC-2002	First Sample Examined: 7600
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 23745
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23743
API Well Number: 608114036100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 3	Sample Range: 7600 - 11890	Water Depth: 4292
Public Info Code: Y 28-FEB-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Tahiti Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7600 / 7600	DEF AT first sample examined	DEF AT 4
7601 / 7601	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
7840 / 7840	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
8200 / 8200	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8259 / 8259	DEF AT local marker planktic foram increase	DEF AT 5
8260 / 8260	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8320 / 8320	DEF AT -----	DEF IN 4
8350 / 8350	DEF AT -----	DEF AT 5
8440 / 8440	DEF AT local marker foram decrease	DEF AT 5
8470 / 8470	DEF AT local marker benthic foram increase	DEF IN 4
8770 / 8770	DEF AT -----	DEF AT 5
8830 / 8830	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
8950 / 8950	DEF AT local marker foram decrease	DEF AT 5
8980 / 8980	DEF AT local marker planktic foram increase	DEF AT 5
9039 / 9039	DEF AT transported shelf fauna	DEF IN 4
9040 / 9040	DEF AT local marker foram decrease	DEF IN 4
9220 / 9220	DEF AT -----	DEF AT 5
9280 / 9280	DEF AT -----	DEF IN 4
9580 / 9580	DEF AT foram flood	DEF AT 5
9700 / 9700	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9729 / 9729	DEF AT foram flood	DEF AT 5
9730 / 9730	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 17-DEC-2002	First Sample Examined: 7600
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 23745
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23743
API Well Number: 608114036100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 3	Sample Range: 7600 - 11890	Water Depth: 4292
Public Info Code: Y 28-FEB-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9850 / 9850	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9935 / 9935	DEF AT -----	DEF IN 4
10360 /10360	DEF AT -----	DEF AT 5
10510 /10510	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
10570 /10570	DEF AT local marker foram decrease	DEF AT 5
10690 /10690	DEF AT faunal change (no faunal increase)	DEF AT 5
10780 /10780	DEF AT pyrite	DEF AT 5
10810 /10810	DEF AT -----	DEF IN 4
11080 /11080	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
11110 /11110	DEF AT -----	DEF AT 5
11199 /11199	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
11200 /11200	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11290 /11290	DEF AT foram flood	DEF AT 5
11320 /11320	DEF AT local marker foram decrease	DEF AT 5
11380 /11380	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11620 /11620	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
11680 /11680	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11740 /11740	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
11830 /11830	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11859 /11859	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
11860 /11860	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
11890 /11890	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 29-JAN-2003	First Sample Examined: 7600
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 23745
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23743
API Well Number: 608114036100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7600 - 23745	Water Depth: 4292
Public Info Code: Y 28-FEB-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tahiti Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7600 / 7600	DEF AT first sample examined	DEF AT
7601 / 7601	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8200 / 8200	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8260 / 8260	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8290 / 8290	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
8320 / 8320	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8410 / 8410	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8440 / 8440	DEF AT local marker floral decrease	DEF AT
8830 / 8830	DEF AT local marker floral increase	DEF AT
8920 / 8920	DEF AT local marker floral decrease	DEF AT
9220 / 9220	DEF AT local marker floral increase	DEF AT
9280 / 9280	DEF AT local marker floral decrease	DEF AT
9580 / 9580	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9670 / 9670	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9850 / 9850	DEF AT floral flood	DEF AT
9910 / 9910	DEF AT local marker floral decrease	DEF AT
10360 /10360	DEF AT local marker floral increase	DEF AT
10510 /10510	DEF AT local marker floral decrease	DEF AT
10600 /10600	DEF AT local marker floral increase	DEF AT
10660 /10660	DEF AT local marker floral decrease	DEF AT
11080 /11080	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11140 /11140	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 29-JAN-2003	<b>First Sample Examined:</b> 7600
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23745
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23743
<b>API Well Number:</b> 608114036100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 7600 - 23745	<b>Water Depth:</b> 4292
<b>Public Info Code:</b> Y 28-FEB-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11170 /11170	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
11290 /11290	DEF AT floral flood	DEF AT
11380 /11380	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11530 /11530	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11560 /11560	DEF AT local marker floral decrease	DEF AT
11590 /11590	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11620 /11620	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11650 /11650	DEF AT floral flood	DEF AT
11740 /11740	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11830 /11830	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11879 /11879	DEF AT out-of-place section	DEF AT
11980 /11980	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19500 /19500	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
19770 /19770	DEF AT out-of-place section	DEF AT
20070 /20070	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20460 /20460	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20550 /20550	DEF AT local marker floral decrease	DEF AT
21090 /21090	DEF AT local marker floral increase	DEF AT
21150 /21150	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21240 /21240	DEF AT local marker floral decrease	DEF AT
21360 /21360	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
21480 /21480	DEF AT local marker floral decrease	DEF AT
21570 /21570	DEF AT floral flood	DEF AT
21630 /21629	DEF AT local marker floral decrease	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 29-JAN-2003	First Sample Examined: 7600
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 23745
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23743
API Well Number: 608114036100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7600 - 23745	Water Depth: 4292
Public Info Code: Y 28-FEB-2013	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21750 /21749	DEF AT reworked material	DEF AT
22080 /22079	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22170 /22169	DEF AT local marker floral decrease	DEF AT
22230 /22229	DEF AT floral flood	DEF AT
22290 /22289	DEF AT local marker floral decrease	DEF AT
22500 /22499	DEF AT floral flood	DEF AT
22530 /22529	DEF AT local marker floral decrease	DEF AT
22800 /22799	DEF AT local marker floral increase	DEF AT
22950 /22949	DEF AT local marker floral decrease	DEF AT
23490 /23488	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23745 /23743	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 25-MAR-2003	<b>First Sample Examined:</b> 19200
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23745
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23743
<b>API Well Number:</b> 608114036100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 19200 - 23745	<b>Water Depth:</b> 4292
<b>Public Info Code:</b> Y 28-FEB-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Tahiti Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19200 /19200	DEF AT first sample examined	DEF AT 4
19201 /19201	DEF IN out-of-place section	DEF AT 4
19500 /19500	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
19530 /19530	DEF AT local marker foram decrease	DEF AT 4
19800 /19800	DEF AT -----	DEF IN 4
19860 /19860	DEF AT pyrite	DEF IN 4
19980 /19980	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 4
20040 /20040	DEF AT -----	DEF AT 4
20070 /20070	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
20100 /20100	DEF AT local marker foram decrease	DEF AT 4
20280 /20280	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21180 /21180	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
21210 /21210	DEF AT pyrite	DEF IN 4
21270 /21270	DEF AT local marker foram decrease	DEF AT 4
21300 /21300	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
21360 /21360	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21390 /21390	DEF AT local white Arenaceous fauna	DEF AT 4
21420 /21420	DEF AT pyrite	DEF AT 4
21480 /21480	DEF AT local marker foram decrease	DEF AT 4
21570 /21570	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
21630 /21629	DEF AT local marker foram decrease	DEF AT 4
21750 /21749	DEF AT out-of-place section	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
Lease Number: G20082  
Well Name: 002  
API Well Number: 608114036100  
Paleo Report Num: 3 of 3  
Public Info Code: Y 28-FEB-2013

Date of Summary: 25-MAR-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19200 - 23745  
Ecozone Eq MMS: Y

First Sample Examined: 19200  
Borehole MD: 23745  
Borehole TVD: 23743  
Rkb Elevation: 92  
Water Depth: 4292  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21840 /21839	DEF AT foram flood	DEF AT 6
21960 /21959	DEF AT Bathysiphon fauna	DEF AT 4
22230 /22229	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
22290 /22289	DEF AT - - - - -	DEF AT 4
22350 /22349	POS AT Arenaceous fauna (local marker)	DEF AT 4
22360 /22359	DEF AT Bathysiphon fauna	DEF AT 4
22380 /22379	DEF AT local marker foram decrease	DEF AT 4
22620 /22619	DEF AT local white Arenaceous fauna	DEF AT 4
22800 /22799	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
22830 /22829	DEF AT - - - - -	DEF IN 4
22950 /22949	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23010 /23009	DEF AT - - - - -	DEF AT 4
23745 /23743	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 29-JAN-2003	First Sample Examined: 20261
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 27473
API Well Number: 608114036101	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 20261 - 27500	Water Depth: 4292
Public Info Code: Y 20-APR-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Tahiti Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20261 /20261	DEF AT first sample examined	DEF AT
20262 /20262	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20460 /20459	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20550 /20549	DEF AT local marker floral decrease	DEF AT
21090 /21085	DEF AT local marker floral increase	DEF AT
21150 /21145	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21240 /21235	DEF AT local marker floral decrease	DEF AT
21360 /21355	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
21480 /21474	DEF AT local marker floral decrease	DEF AT
21570 /21564	DEF AT floral flood	DEF AT
21600 /21594	DEF AT reworked material	DEF AT
21630 /21624	DEF AT local marker floral decrease	DEF AT
21750 /21743	DEF AT reworked material	DEF AT
22080 /22072	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22170 /22162	DEF AT local marker floral decrease	DEF AT
22230 /22222	DEF AT floral flood	DEF AT
22290 /22282	DEF AT local marker floral decrease	DEF AT
22500 /22491	DEF AT floral flood	DEF AT
22530 /22521	DEF AT local marker floral decrease	DEF AT
22800 /22790	DEF AT local marker floral increase	DEF AT
22950 /22939	DEF AT local marker floral decrease	DEF AT
23490 /23477	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 29-JAN-2003	First Sample Examined: 20261
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 27473
API Well Number: 608114036101	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 20261 - 27500	Water Depth: 4292
Public Info Code: Y 20-APR-2013	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24000 /23986	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24090 /24075	DEF AT local marker floral increase	DEF AT
24120 /24105	DEF AT local marker floral decrease	DEF AT
24450 /24434	DEF AT local marker floral increase	DEF AT
24600 /24584	DEF AT local marker floral decrease	DEF AT
24630 /24614	DEF AT local marker floral increase	DEF AT
24690 /24673	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
24780 /24763	DEF AT local marker floral decrease	DEF AT
25250 /25231	DEF AT out-of-place section	DEF AT
25270 /25251	DEF AT local marker floral decrease	DEF AT
25310 /25291	DEF AT reworked material	DEF AT
25340 /25321	DEF AT local marker floral decrease	DEF AT
25580 /25559	DEF AT local marker floral increase	DEF AT
25610 /25589	DEF AT local marker floral decrease	DEF AT
25760 /25738	DEF AT local marker floral increase	DEF AT
26510 /26485	DEF AT local marker floral decrease	DEF AT
26810 /26784	DEF AT local marker floral increase	DEF AT
26840 /26814	DEF AT local marker floral decrease	DEF AT
26960 /26934	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27050 /27024	DEF AT local marker floral decrease	DEF AT
27230 /27204	DEF AT local marker floral increase	DEF AT
27350 /27323	DEF AT local marker floral decrease	DEF AT
27500 /27473	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 26-MAR-2003	First Sample Examined: 20261
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 27500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27473
API Well Number: 608114036101	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 20261 - 27500	Water Depth: 4292
Public Info Code: Y 20-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Tahiti Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
20261 /20261	DEF AT first sample examined	DEF AT 4
20262 /20262	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
20280 /20280	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21180 /21175	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
21210 /21205	DEF AT pyrite	DEF IN 4
21270 /21265	DEF AT local marker foram decrease	DEF AT 4
21300 /21295	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
21360 /21355	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21390 /21384	DEF AT local white Arenaceous fauna	DEF AT 4
21420 /21414	DEF AT pyrite	DEF AT 4
21480 /21474	DEF AT local marker foram decrease	DEF AT 4
21570 /21564	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
21630 /21624	DEF AT local marker foram decrease	DEF AT 4
21750 /21743	DEF AT out-of-place section	DEF AT 4
21810 /21803	DEF AT local marker foram increase	DEF AT 4
21840 /21833	DEF AT foram flood	DEF AT 6
21960 /21953	DEF AT Bathysiphon fauna	DEF AT 4
22230 /22222	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
22290 /22282	DEF AT - - - - -	DEF AT 4
22360 /22351	DEF AT Bathysiphon fauna	DEF AT 4
22380 /22371	DEF AT local marker foram decrease	DEF AT 4
22620 /22611	DEF AT local white Arenaceous fauna	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
Lease Number: G20082  
Well Name: 002  
API Well Number: 608114036101  
Paleo Report Num: 2 of 2  
Public Info Code: Y 20-APR-2013

Date of Summary: 26-MAR-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 20261 - 27500  
Ecozone Eq MMS: Y

First Sample Examined: 20261  
Borehole MD: 27500  
Borehole TVD: 27473  
Rkb Elevation: 92  
Water Depth: 4292  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22740 /22730	DEF AT local marker foram increase	DEF AT 4
22800 /22790	DEF AT -----	DEF AT 6
22830 /22820	DEF AT -----	DEF IN 4
23010 /22999	DEF AT -----	DEF AT 4
23880 /23866	DEF AT local marker planktic foram increase	DEF AT 4
24090 /24075	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
24120 /24105	DEF AT -----	DEF IN 4
24150 /24135	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
24210 /24195	DEF AT -----	DEF AT 4
24600 /24584	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
25770 /25748	POS AT local marker benthic foram increase	DEF AT 4
25800 /25778	DEF AT local marker planktic foram increase	DEF IN 4
25860 /25838	DEF AT local marker foram decrease	DEF IN 4
25890 /25867	DEF AT local marker planktic foram increase	DEF IN 4
25910 /25887	DEF AT local marker foram decrease	DEF AT 4
25929 /25906	DEF AT pyrite	DEF AT 4
25930 /25907	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25950 /25927	DEF AT Bathysiphon fauna	DEF AT 4
25970 /25947	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
26030 /26007	DEF AT -----	DEF IN 4
26090 /26066	DEF AT -----	DEF AT 4
26180 /26156	DEF AT local marker foram decrease	DEF AT 4
26329 /26304	DEF AT foram flood	DEF IN 4
26330 /26305	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
 Lease Number: G20082  
 Well Name: 002  
 API Well Number: 608114036101  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 20-APR-2013

Date of Summary: 26-MAR-2003  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 20261 - 27500  
 Ecozone Eq MMS: Y

First Sample Examined: 20261  
 Borehole MD: 27500  
 Borehole TVD: 27473  
 Rkb Elevation: 92  
 Water Depth: 4292  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26450 /26425	DEF AT local marker planktic foram increase	DEF IN 4
26480 /26455	DEF AT - - - - -	DEF AT 4
27030 /27004	DEF AT Bathysiphon fauna	DEF AT 4
27200 /27174	DEF AT local marker planktic foram increase	DEF AT 4
27380 /27353	DEF AT Bathysiphon fauna	DEF AT 4
27500 /27473	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 29-MAR-2003	<b>First Sample Examined:</b> 25560
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27237
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27197
<b>API Well Number:</b> 608114036102	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 25560 - 27237	<b>Water Depth:</b> 4289
<b>Public Info Code:</b> Y 04-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Tahiti Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25560 /25539	DEF AT first sample examined	DEF AT
25580 /25559	DEF AT local marker floral increase	DEF AT
25610 /25589	DEF AT local marker floral decrease	DEF AT
25760 /25738	DEF AT local marker floral increase	DEF AT
26510 /26480	DEF AT local marker floral decrease	DEF AT
26810 /26776	DEF AT local marker floral increase	DEF AT
26840 /26806	DEF AT local marker floral decrease	DEF AT
26960 /26924	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27050 /27013	DEF AT local marker floral decrease	DEF AT
27200 /27160	DEF AT local marker floral increase	DEF AT
27237 /27197	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 01-MAY-2003	<b>First Sample Examined:</b> 19460
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24320
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24127
<b>API Well Number:</b> 608114036103	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19460 - 24120	<b>Water Depth:</b> 4292
<b>Public Info Code:</b> Y 06-JUL-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark: Tahiti South Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19460 /19445	DEF AT first sample examined	DEF AT 4
19461 /19446	DEF AT out-of-place section	DEF AT 4
19550 /19535	DEF AT local white Arenacous fauna	DEF AT 4
19730 /19715	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 4
19820 /19804	DEF AT local marker foram decrease	DEF AT 4
19970 /19954	DEF AT local marker foram increase	DEF AT 4
20000 /19984	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
20030 /20014	DEF AT local marker foram increase	DEF AT 4
20150 /20134	DEF AT local marker foram decrease	DEF AT 4
20360 /20344	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
20450 /20434	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
20480 /20464	DEF AT shell fragments	DEF AT 4
20809 /20793	DEF AT local white Arenacous fauna	DEF AT 4
20810 /20794	DEF AT Bathysiphon fauna	DEF AT 4
21170 /21154	DEF AT local marker foram increase	DEF AT 4
21230 /21214	DEF AT local marker foram decrease	DEF AT 4
21410 /21392	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21710 /21687	DEF AT reworked material	DEF AT 6
21740 /21717	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
21770 /21746	DEF AT - - - - -	DEF AT 4
21830 /21805	DEF AT Bathysiphon fauna	DEF AT 6
21890 /21864	DEF IN Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
Lease Number: G20082  
Well Name: 002  
API Well Number: 608114036103  
Paleo Report Num: 1 of 2  
Public Info Code: Y 06-JUL-2013

Date of Summary: 01-MAY-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19460 - 24120  
Ecozone Eq MMS: Y

First Sample Examined: 19460  
Borehole MD: 24320  
Borehole TVD: 24127  
Rkb Elevation: 92  
Water Depth: 4292  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21920 /21893	DEF AT local marker foram decrease	DEF AT 4
22490 /22444	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
22520 /22473	DEF AT local marker foram increase	DEF AT 6
22550 /22501	DEF AT local marker foram decrease	DEF IN 4
22640 /22587	DEF AT local marker foram increase	DEF IN 4
22670 /22615	DEF AT local marker foram decrease	DEF IN 4
22730 /22672	DEF AT Arenaceous fauna (local marker)	DEF IN 4
22850 /22785	DEF AT local marker foram decrease	DEF IN 4
23120 /23040	DEF AT - - - - -	DEF AT 4
23270 /23183	DEF AT local marker foram increase	DEF AT 4
23300 /23211	DEF AT local marker foram decrease	DEF AT 4
23380 /23287	DEF AT Bathysiphon fauna	DEF AT 4
23450 /23352	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23510 /23408	DEF AT local marker foram decrease	DEF AT 4
23760 /23638	DEF AT pyrite	DEF AT 4
23809 /23682	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
23810 /23683	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
23870 /23737	DEF AT Eggerella sp. (local marker)	DEF AT 4
24120 /23955	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 11-MAY-2003	First Sample Examined: 19460
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 24320
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24127
API Well Number: 608114036103	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19460 - 24120	Water Depth: 4292
Public Info Code: Y 06-JUL-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tahiti South Prospect, calcareous nannofossil report, from 19460 to 19760 the samples are from a rafted section

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19460 /19445	DEF AT first sample examined	DEF AT
19461 /19446	DEF AT out-of-place section	DEF AT
19700 /19685	DEF AT local marker floral increase	DEF AT
19760 /19744	DEF AT local marker floral decrease	DEF AT
20000 /19984	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20390 /20374	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20480 /20464	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
20510 /20494	DEF AT local marker floral decrease	DEF AT
20750 /20734	DEF AT local marker floral increase	DEF AT
20780 /20764	DEF AT local marker floral decrease	DEF AT
20890 /20874	DEF AT local marker floral decrease	DEF AT
20990 /20974	DEF AT local marker floral increase	DEF AT
21050 /21034	DEF AT local marker floral increase	DEF AT
21080 /21064	DEF AT reworked material	DEF AT
21110 /21094	DEF AT floral flood	DEF AT
21170 /21154	DEF AT local marker floral decrease	DEF AT
21260 /21243	DEF AT floral flood	DEF AT
21290 /21273	DEF AT local marker floral decrease	DEF AT
21380 /21362	DEF AT floral flood	DEF AT
21410 /21392	DEF AT local marker floral decrease	DEF AT
21500 /21481	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21590 /21569	DEF AT floral flood	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 11-MAY-2003	First Sample Examined: 19460
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 24320
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24127
API Well Number: 608114036103	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19460 - 24120	Water Depth: 4292
Public Info Code: Y 06-JUL-2013	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21620 /21599	DEF AT local marker floral decrease	DEF AT
21740 /21717	DEF AT reworked material	DEF AT
21770 /21746	DEF AT local marker floral decrease	DEF AT
21890 /21864	DEF AT reworked material	DEF AT
21920 /21893	DEF AT local marker floral decrease	DEF AT
21950 /21922	DEF AT floral flood	DEF AT
22280 /22242	DEF AT floral flood	DEF AT
22290 /22252	DEF AT local marker floral decrease	DEF AT
22430 /22386	DEF AT local marker floral increase	DEF AT
22550 /22501	DEF AT floral flood	DEF AT
22700 /22644	DEF AT reworked material	DEF AT
22730 /22672	DEF AT local marker floral decrease	DEF AT
23150 /23069	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23190 /23107	DEF AT local marker floral decrease	DEF AT
23420 /23324	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23480 /23380	DEF AT reworked material	DEF AT
23690 /23575	DEF AT local marker floral decrease	DEF AT
23780 /23656	DEF AT local marker floral increase	DEF AT
23810 /23683	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24120 /23955	DEF AT last sample examined	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 01-MAY-2003	First Sample Examined: 24160
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 25650
Well Name: PS001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25235
API Well Number: 608114036104	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 24160 - 25650	Water Depth: 4292
Public Info Code: Y 16-JUL-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tahiti Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24160 /23998	DEF AT first sample examined	DEF AT 4
24220 /24052	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24310 /24133	DEF AT local marker foram decrease	DEF AT 4
24580 /24365	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
24640 /24415	DEF AT local marker foram decrease	DEF AT 4
25090 /24785	DEF AT local marker foram increase	DEF AT 4
25120 /24809	DEF AT local marker foram decrease	DEF AT 4
25240 /24906	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
25270 /24930	DEF AT local marker planktic foram increase	DEF AT 5
25360 /25002	DEF AT local marker foram decrease	DEF IN 4
25450 /25074	DEF AT -----	DEF AT 4
25630 /25219	POS AT Arenaceous fauna (local marker)	DEF AT 4
25650 /25235	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 24-JUN-2003	First Sample Examined: 24160
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 25650
Well Name: PS001	Paleo Done By: OPERATOR	Borehole TVD: 25235
API Well Number: 608114036104	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 24160 - 25650	Water Depth: 4292
Public Info Code: Y 16-JUL-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Tahiti Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24160 /23998	DEF AT first sample examined	DEF AT
24161 /23999	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24250 /24079	DEF AT local marker floral increase	DEF AT
24340 /24159	DEF AT local marker floral decrease	DEF AT
24460 /24264	DEF AT local marker floral increase	DEF AT
24580 /24365	DEF AT local marker floral increase	DEF AT
24610 /24390	DEF AT local marker floral decrease	DEF AT
24820 /24563	DEF AT local marker floral increase	DEF AT
24940 /24661	DEF AT local marker floral decrease	DEF AT
25090 /24785	DEF AT local marker floral increase	DEF AT
25140 /24826	DEF AT local marker floral decrease	DEF AT
25300 /24954	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25350 /24994	DEF AT local marker floral decrease	DEF AT
25440 /25066	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
25470 /25090	DEF AT local marker floral decrease	DEF AT
25600 /25195	DEF AT local marker floral increase	DEF AT
25650 /25235	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 01-APR-2006	First Sample Examined: 19370
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 25950
Well Name: PS002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24880
API Well Number: 608114046200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 19370 - 25950	Water Depth: 4292
Public Info Code: Y 15-JUN-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tahiti Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19370 /19237	DEF AT first sample examined	DEF AT
19371 /19238	DEF IN out-of-place section	DEF AT
19580 /19439	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19640 /19496	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19790 /19640	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
20030 /19870	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20090 /19928	DEF AT local marker floral decrease	DEF AT
20120 /19957	DEF AT local marker floral increase	DEF AT
20210 /20043	DEF AT local marker floral decrease	DEF AT
20240 /20072	DEF AT local marker floral increase	DEF AT
20270 /20100	DEF AT local marker floral decrease	DEF AT
20360 /20186	DEF AT local marker floral increase	DEF AT
20420 /20243	DEF AT local marker floral decrease	DEF AT
20480 /20300	DEF AT local marker floral increase	DEF AT
20540 /20356	DEF AT local marker floral decrease	DEF AT
20810 /20610	DEF AT local marker floral increase	DEF AT
20870 /20666	DEF AT local marker floral decrease	DEF AT
20960 /20749	DEF AT local marker floral increase	DEF AT
20990 /20777	DEF AT local marker floral decrease	DEF AT
21080 /20860	DEF AT local marker floral increase	DEF AT
21110 /20888	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21170 /20943	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 01-APR-2006	<b>First Sample Examined:</b> 19370
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25950
<b>Well Name:</b> PS002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24880
<b>API Well Number:</b> 608114046200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19370 - 25950	<b>Water Depth:</b> 4292
<b>Public Info Code:</b> Y 15-JUN-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21230 /20998	DEF AT local marker floral decrease	DEF AT
21290 /21052	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
21380 /21133	DEF AT local marker floral decrease	DEF AT
21500 /21241	DEF AT local marker floral increase	DEF AT
21620 /21347	DEF AT local marker floral decrease	DEF AT
21650 /21373	DEF AT local marker floral increase	DEF AT
21680 /21400	DEF AT local marker floral decrease	DEF AT
21950 /21634	DEF AT floral flood	DEF AT
22010 /21685	DEF AT local marker floral decrease	DEF AT
22220 /21861	DEF AT local marker floral increase	DEF AT
22340 /21961	DEF AT local marker floral decrease	DEF AT
22460 /22061	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22490 /22085	DEF AT local marker floral decrease	DEF AT
22520 /22110	DEF AT local marker floral increase	DEF AT
22610 /22183	DEF AT local marker floral decrease	DEF AT
22670 /22232	DEF AT local marker floral increase	DEF AT
22760 /22303	DEF AT local marker floral decrease	DEF AT
22820 /22351	DEF AT local marker floral increase	DEF AT
22850 /22374	DEF AT local marker floral decrease	DEF AT
22880 /22398	DEF AT local marker floral increase	DEF AT
22910 /22422	DEF AT local marker floral decrease	DEF AT
23180 /22631	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23210 /22654	DEF AT local marker floral decrease	DEF AT
23240 /22677	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 01-APR-2006	First Sample Examined: 19370
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 25950
Well Name: PS002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24880
API Well Number: 608114046200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 19370 - 25950	Water Depth: 4292
Public Info Code: Y 15-JUN-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23270 /22699	DEF AT local marker floral decrease	DEF AT
23300 /22722	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23330 /22745	DEF AT local marker floral decrease	DEF AT
23720 /23040	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23750 /23063	DEF AT local marker floral decrease	DEF AT
23960 /23222	DEF AT local marker floral increase	DEF AT
23990 /23244	DEF AT local marker floral decrease	DEF AT
24080 /23313	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24230 /23426	DEF AT local marker floral decrease	DEF AT
24290 /23471	DEF AT local marker floral increase	DEF AT
24320 /23494	DEF AT local marker floral decrease	DEF AT
24380 /23539	DEF AT local marker floral increase	DEF AT
24410 /23562	DEF AT local marker floral decrease	DEF AT
24560 /23679	DEF AT local marker floral increase	DEF AT
24590 /23703	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24620 /23727	DEF AT local marker floral decrease	DEF AT
24950 /23997	DEF AT local marker floral increase	DEF AT
24980 /24022	DEF AT local marker floral decrease	DEF AT
25280 /24280	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
25310 /24306	DEF AT local marker floral decrease	DEF AT
25370 /24359	DEF AT local marker floral increase	DEF AT
25400 /24385	DEF AT local marker floral decrease	DEF AT
25430 /24412	DEF AT local marker floral increase	DEF AT
25460 /24438	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 01-APR-2006	<b>First Sample Examined:</b> 19370
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25950
<b>Well Name:</b> PS002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24880
<b>API Well Number:</b> 608114046200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19370 - 25950	<b>Water Depth:</b> 4292
<b>Public Info Code:</b> Y 15-JUN-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25750 /24699	DEF AT local marker floral increase	DEF AT
25780 /24726	DEF AT local marker floral decrease	DEF AT
25890 /24826	DEF AT local marker floral increase	DEF AT
25950 /24880	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 25-APR-2006	<b>First Sample Examined:</b> 19370
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25950
<b>Well Name:</b> PS002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24880
<b>API Well Number:</b> 608114046200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19370 - 25950	<b>Water Depth:</b> 4292
<b>Public Info Code:</b> Y 15-JUN-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Tahiti Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19370 /19237	DEF AT first sample examined	DEF AT 6
19371 /19238	DEF AT base of salt	DEF AT 6
19400 /19266	DEF AT out-of-place section	DEF AT 6
19610 /19468	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 6
19730 /19582	DEF AT local marker foram decrease	DEF AT 6
19850 /19697	DEF AT pyrite	DEF AT 6
19970 /19813	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
20030 /19870	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 6
20090 /19928	DEF AT local marker foram decrease	DEF AT 6
20150 /19986	DEF AT local marker benthic foram increase	DEF AT 6
20179 /20013	DEF AT pyrite	DEF AT 6
20180 /20014	DEF AT local marker foram decrease	DEF AT 6
20390 /20215	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
20870 /20666	DEF AT local white Arenaceous fauna	DEF AT 6
21140 /20915	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 6
21200 /20970	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
21320 /21079	DEF AT Arenaceous fauna (local marker)	DEF AT 6
22460 /22061	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
22490 /22085	DEF AT local marker foram decrease	DEF AT 6
22670 /22232	DEF AT Bathysiphon fauna	DEF AT 6
22760 /22303	DEF AT local white Arenaceous fauna	DEF AT 6
23120 /22585	DEF AT Arenaceous fauna (local marker)	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
Lease Number: G20082  
Well Name: PS002  
API Well Number: 608114046200  
Paleo Report Num: 2 of 2  
Public Info Code: Y 15-JUN-2016

Date of Summary: 25-APR-2006  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19370 - 25950  
Ecozone Eq MMS: Y

First Sample Examined: 19370  
Borehole MD: 25950  
Borehole TVD: 24880  
Rkb Elevation: 92  
Water Depth: 4292  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23180 /22631	DEF AT pyrite	DEF AT 6
23570 /22926	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
23630 /22972	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
24080 /23313	DEF AT transported shelf fauna	DEF AT 6
24350 /23517	DEF AT Arenaceous fauna (local marker)	DEF AT 6
24380 /23539	DEF IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
24590 /23703	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
24620 /23727	DEF AT local marker foram decrease	DEF AT 6
24650 /23751	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 6
24920 /23972	POS AT local marker planktic foram increase	DEF AT 6
24950 /23997	DEF AT local marker foram decrease	DEF AT 6
25010 /24048	DEF AT Eggerella sp. (local marker)	DEF AT 6
25250 /24254	POS AT local marker planktic foram increase	DEF AT 6
25280 /24280	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 6
25310 /24306	DEF AT local marker foram decrease	DEF AT 6
25430 /24412	DEF AT local marker planktic foram increase	DEF AT 6
25460 /24438	DEF AT local marker foram decrease	DEF AT 6
25799 /24743	DEF AT turbid water facies	DEF AT 6
25800 /24744	DEF AT Bathysiphon fauna	DEF AT 6
25950 /24880	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 01-AUG-2006	First Sample Examined: 19530
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 25990
Well Name: PS003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24084
API Well Number: 608114046301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 19530 - 25960	Water Depth: 4292
Public Info Code: Y 29-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tahiti Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19530 /19118	DEF AT first sample examined	DEF AT 6
19590 /19164	DEF IN out-of-place section	DEF AT 4
19770 /19304	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
19870 /19381	DEF AT out-of-place section	DEF AT 6
19900 /19404	DEF AT -----	DEF IN 4
20100 /19560	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 6
20280 /19700	DEF AT -----	DEF IN 4
20580 /19931	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
21070 /20308	DEF AT -----	DEF IN 3
21100 /20331	DEF AT -----	DEF IN 4
21160 /20378	DEF AT local white Arenacous fauna	DEF IN 4
21580 /20703	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
21640 /20750	DEF AT -----	DEF AT 6
21670 /20773	DEF AT local marker foram decrease	DEF AT 6
21700 /20796	DEF AT -----	DEF IN 4
21880 /20936	DEF AT -----	DEF AT 6
21910 /20959	DEF AT -----	DEF IN 4
21970 /21006	DEF AT Bathysiphon fauna	DEF IN 4
22130 /21130	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
22180 /21168	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
23050 /21843	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
23110 /21890	POS AT Bathysiphon fauna	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
Lease Number: G20082  
Well Name: PS003  
API Well Number: 608114046301  
Paleo Report Num: 1 of 2  
Public Info Code: Y 29-OCT-2016

Date of Summary: 01-AUG-2006  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19530 - 25960  
Ecozone Eq MMS: Y

First Sample Examined: 19530  
Borehole MD: 25990  
Borehole TVD: 24084  
Rkb Elevation: 92  
Water Depth: 4292  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23200 /21959	DEF AT -----	DEF AT 6
23260 /22006	DEF AT Arenaceous fauna (local marker)	DEF AT 6
23320 /22052	DEF AT -----	DEF IN 4
23590 /22260	DEF AT local white Arenaceous fauna	DEF IN 4
23920 /22515	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
23980 /22561	DEF AT -----	DEF IN 4
24054 /22617	DEF AT local marker foram decrease	DEF IN 4
24249 /22766	DEF AT Arenaceous fauna (local marker)	DEF IN 4
24250 /22767	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 4
24310 /22813	DEF AT foram flood	DEF IN 4
24579 /23010	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
24580 /23010	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
24610 /23032	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
24640 /23053	DEF AT local marker foram decrease	DEF AT 6
24670 /23075	DEF AT local marker planktic foram increase	DEF AT 6
24700 /23096	DEF AT foram flood	DEF AT 6
24730 /23118	DEF AT -----	DEF IN 4
24879 /23226	DEF AT foram flood	DEF AT 6
24880 /23227	DEF AT local marker planktic foram increase	DEF AT 6
24910 /23249	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 6
24970 /23295	DEF AT -----	DEF IN 4
25060 /23363	POS AT Middle Miocene (Langhian) Cibicides 38	DEF IN 4
25090 /23386	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
25150 /23432	DEF AT foram flood	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640  
 Lease Number: G20082  
 Well Name: PS003  
 API Well Number: 608114046301  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 29-OCT-2016

Date of Summary: 01-AUG-2006  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 19530 - 25960  
 Ecozone Eq MMS: Y

First Sample Examined: 19530  
 Borehole MD: 25990  
 Borehole TVD: 24084  
 Rkb Elevation: 92  
 Water Depth: 4292  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25180 /23455	DEF AT siltstone	DEF IN 4
25899 /24012	DEF AT pyrite	DEF IN 4
25900 /24012	DEF AT Bathysiphon fauna	DEF IN 4
25960 /24060	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 20-SEP-2006	First Sample Examined: 19560
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 25990
Well Name: PS003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24084
API Well Number: 608114046301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19560 - 25990	Water Depth: 4292
Public Info Code: Y 29-OCT-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Tahiti Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19560 /19141	DEF AT first sample examined	DEF AT
19561 /19142	DEF IN base of salt	DEF AT
19562 /19143	DEF IN out-of-place section	DEF AT
19800 /19327	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19830 /19350	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19900 /19404	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19930 /19428	DEF AT reworked material	DEF AT
20490 /19862	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
20520 /19885	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20737 /20052	DEF AT sample gap top	DEF AT
20834 /20127	DEF AT sample gap bottom	DEF AT
21640 /20750	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
21670 /20773	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22839 /21680	DEF AT floral flood	DEF AT
22840 /21681	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
23560 /22237	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23650 /22307	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24010 /22584	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24039 /22605	DEF AT local marker floral decrease	DEF AT
24040 /22606	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
24280 /22790	DEF AT local marker floral increase	DEF AT
24310 /22813	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 640	<b>Date of Summary:</b> 20-SEP-2006	<b>First Sample Examined:</b> 19560
<b>Lease Number:</b> G20082	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25990
<b>Well Name:</b> PS003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24084
<b>API Well Number:</b> 608114046301	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19560 - 25990	<b>Water Depth:</b> 4292
<b>Public Info Code:</b> Y 29-OCT-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24400 /22881	DEF AT local marker floral increase	DEF AT
24430 /22902	DEF AT local marker floral decrease	DEF AT
24460 /22924	DEF AT local marker floral increase	DEF AT
24520 /22967	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24550 /22989	DEF AT local marker floral decrease	DEF AT
24580 /23010	DEF AT local marker floral increase	DEF AT
24730 /23118	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
24760 /23139	DEF AT local marker floral decrease	DEF AT
24940 /23272	DEF AT floral flood	DEF AT
24970 /23295	DEF AT local marker floral decrease	DEF AT
25060 /23363	POS AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
25990 /24084	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 06-SEP-2002	First Sample Examined: 26550
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 31000
Well Name: SS001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30217
API Well Number: 608114033003	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 26550 - 31000	Water Depth: 4017
Public Info Code: Y 27-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tahiti Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26550 /25932	DEF AT first sample examined	POS AT 4
26620 /26000	DEF IN Lower (Early) Miocene	DEF AT 4
26650 /26029	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26830 /26203	DEF AT local marker planktic foram increase	DEF AT 4
27160 /26521	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
27460 /26809	DEF AT local marker planktic foram increase	DEF AT 4
27490 /26838	DEF AT foram flood	DEF AT 4
27970 /27300	DEF AT Eggerella sp. (local marker)	DEF AT 4
28030 /27358	DEF AT limestone	DEF AT 4
28060 /27387	DEF AT local marker foram increase	DEF AT 4
28090 /27416	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
28120 /27445	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
28150 /27474	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 4
28210 /27532	DEF AT - - - - -	DEF AT 4
28240 /27561	DEF AT Arenaceous fauna (local marker)	DEF AT 4
28330 /27648	DEF AT sand	DEF AT 4
28540 /27851	DEF AT drilling material	DEF AT 4
28690 /27995	POS AT local marker foram increase	DEF AT 4
28839 /28139	DEF AT limestone	DEF IN 4
28840 /28140	DEF AT local marker planktic foram increase	DEF IN 4
28870 /28169	DEF AT foram flood	DEF IN 4
28960 /28256	DEF AT Arenaceous fauna (local marker)	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 06-SEP-2002	First Sample Examined: 26550
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 31000
Well Name: SS001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30217
API Well Number: 608114033003	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 26550 - 31000	Water Depth: 4017
Public Info Code: Y 27-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29159 /28447	DEF AT local marker planktic foram increase	DEF AT 4
29200 /28486	POS AT local marker foram increase	DEF AT 4
29230 /28515	DEF AT limestone	DEF AT 4
29290 /28573	DEF AT Arenaceous fauna (local marker)	DEF AT 4
29440 /28717	DEF AT - - - - -	DEF IN 4
29470 /28746	DEF AT faunal change (no faunal increase)	DEF IN 4
29529 /28803	DEF AT foram flood	DEF IN 4
29530 /28804	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF IN 4
29650 /28919	DEF AT - - - - -	DEF AT 4
29680 /28948	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
29860 /29121	POS AT local marker foram increase	DEF AT 4
29950 /29208	DEF AT local marker foram increase	DEF AT 4
30130 /29381	DEF AT local marker foram increase	DEF AT 4
30160 /29410	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
30490 /29727	DEF AT local marker foram increase	DEF AT 4
30550 /29785	DEF AT local marker foram increase	DEF AT 4
30610 /29842	DEF AT - - - - -	DEF IN 3
30700 /29929	DEF AT - - - - -	DEF AT 4
30730 /29958	DEF AT out-of-place section	DEF AT 4
30760 /29987	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
30790 /30016	DEF AT out-of-place section	DEF IN 4
30850 /30073	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 4
30880 /30102	DEF AT Upper Oligocene (Chattian) Bolivina perca	DEF IN 4
30940 /30160	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 640	Date of Summary: 06-SEP-2002	First Sample Examined: 26550
Lease Number: G20082	Source of Paleo: OPERATOR	Borehole MD: 31000
Well Name: SS001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30217
API Well Number: 608114033003	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 26550 - 31000	Water Depth: 4017
Public Info Code: Y 27-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31000 /30217	DEF AT last sample examined	DEF IN 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 643	Date of Summary: 19-JAN-2009	First Sample Examined: 23950
Lease Number: G16772	Source of Paleo: OPERATOR	Borehole MD: 28989
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28988
API Well Number: 608114051900	Drilling Operator: PLAINS EXPLORATION & PRODUCTION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 23950 - 28990	Water Depth: 3830
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23950 /23949	DEF AT first sample examined	POS AT 5
23980 /23979	DEF AT out-of-place section	DEF AT 5
24040 /24039	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 5
24070 /24069	DEF AT - - - - -	DEF AT 4
24430 /24429	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
24549 /24548	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
24550 /24549	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
25360 /25359	POS AT sequence boundary	DEF AT 4
25450 /25449	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
25750 /25749	POS AT maximum flooding surface	DEF AT 4
25810 /25809	DEF AT - - - - -	DEF AT 5
25840 /25839	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
25990 /25989	POS AT sequence boundary	DEF AT 5
26139 /26138	POS AT maximum flooding surface	DEF AT 5
26140 /26139	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
26410 /26409	DEF AT sequence boundary	DEF AT 5
26649 /26648	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
26650 /26649	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
26740 /26739	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
28240 /28239	POS AT sequence boundary	DEF AT 5
28300 /28299	POS AT maximum flooding surface	DEF AT 5
28480 /28479	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 643	<b>Date of Summary:</b> 19-JAN-2009	<b>First Sample Examined:</b> 23950
<b>Lease Number:</b> G16772	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28989
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 28988
<b>API Well Number:</b> 608114051900	<b>Drilling Operator:</b> PLAINS EXPLORATION & PRODUCTION COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 23950 - 28990	<b>Water Depth:</b> 3830
<b>Public Info Code:</b> Y 19-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28630 /28629	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
28689 /28688	POS AT maximum flooding surface	DEF AT 5
28690 /28689	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
28720 /28719	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
28990 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 643	Date of Summary: 01-JUL-2009	First Sample Examined: 26250
Lease Number: G16772	Source of Paleo: OPERATOR	Borehole MD: 32229
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 31996
API Well Number: 608114051901	Drilling Operator: PLAINS EXPLORATION & PRODUCTION COMPANY	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 26250 - 32295	Water Depth: 3875
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26250 /26249	DEF AT first sample examined	DEF AT 5
26251 /26250	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
26640 /26639	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
26670 /26669	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
26820 /26818	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
27330 /27317	POS AT salt weld	DEF AT 5
27360 /27345	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
27540 /27517	DEF AT salt weld	DEF AT 5
28020 /27973	DEF AT local marker planktic foram increase	DEF AT 5
29250 /29145	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
29520 /29403	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
29970 /29834	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
30899 /30724	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
30900 /30725	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 5
31349 /31155	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
31350 /31156	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
31710 /31500	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
32295 /	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 643	Date of Summary: 14-OCT-2009	First Sample Examined: 25890
Lease Number: G16772	Source of Paleo: OPERATOR	Borehole MD: 33894
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 33375
API Well Number: 608114051902	Drilling Operator: PLAINS EXPLORATION & PRODUCTION COMPANY	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 25890 - 33894	Water Depth: 3830
Public Info Code: Y 19-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25890 /25889	DEF AT first sample examined	DEF AT 5
26250 /26249	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
26669 /26664	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 5
26670 /26665	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
26820 /26810	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
27329 /27284	DEF AT salt weld	DEF AT 5
27330 /27285	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
27390 /27341	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
28770 /28621	DEF AT out-of-place section	DEF AT 5
29400 /29212	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
29640 /29438	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
30030 /29798	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
30720 /30435	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
30930 /30629	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
31920 /31540	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
33030 /32571	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
33090 /32627	DEF AT out-of-place section	DEF AT 5
33690 /33185	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT 5
33720 /33213	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
33748 /33239	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
33749 /33240	POS AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 5
33750 /33241	POS AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 643	<b>Date of Summary:</b> 14-OCT-2009	<b>First Sample Examined:</b> 25890
<b>Lease Number:</b> G16772	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33894
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 33375
<b>API Well Number:</b> 608114051902	<b>Drilling Operator:</b> PLAINS EXPLORATION & PRODUCTION COMPANY	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 25890 - 33894	<b>Water Depth:</b> 3830
<b>Public Info Code:</b> Y 19-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
33890 /33372	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 644	Date of Summary: 18-JAN-1999	First Sample Examined: 6593
Lease Number: G11080	Source of Paleo: OPERATOR	Borehole MD: 11724
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11724
API Well Number: 608114023500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6593 - 11710	Water Depth: 4292
Public Info Code: Y 08-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
6593 / 6593	DEF AT first sample examined	DEF	AT
6594 / 6594	DEF AT cement	DEF	AT
7260 / 7260	DEF AT -----	POS	AT 5
8193 / 8193	DEF AT cement	POS	AT 5
8220 / 8220	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS	AT 5
8250 / 8250	DEF AT -----	DEF	AT 5
8430 / 8430	DEF AT -----	POS	AT 5
9150 / 9150	DEF AT -----	DEF	AT 5
9480 / 9480	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT 6
9540 / 9540	DEF AT -----	POS	IN 5
9900 / 9900	DEF AT -----	DEF	IN 5
10020 /10020	DEF AT -----	POS	AT 5
10170 /10170	DEF AT -----	DEF	IN 5
10320 /10320	DEF AT -----	POS	AT 5
10375 /10375	DEF AT cement	POS	AT 5
10510 /10510	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT 6
10555 /10555	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT 6
10570 /10570	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT 6
10585 /10585	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT 6
10660 /10660	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT 6
10705 /10705	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT 6
10720 /10720	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 644	<b>Date of Summary:</b> 18-JAN-1999	<b>First Sample Examined:</b> 6593
<b>Lease Number:</b> G11080	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11724
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11724
<b>API Well Number:</b> 608114023500	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6593 - 11710	<b>Water Depth:</b> 4292
<b>Public Info Code:</b> Y 08-FEB-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10750 /10750	DEF AT -----	DEF IN 6
10810 /10810	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 6
11005 /11005	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 6
11080 /11080	DEF AT -----	DEF IN 5
11575 /11575	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
11710 /11710	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 644	Date of Summary: 15-FEB-1999	First Sample Examined: 11390
Lease Number: G11080	Source of Paleo: OPERATOR	Borehole MD: 12200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12188
API Well Number: 608114023501	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 10170 - 12200	Water Depth: 4292
Public Info Code: Y 13-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11390 /11381	DEF AT first sample examined	POS IN 5
11920 /11909	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	POS IN 5
11935 /11924	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
12115 /12104	DEF AT - - - - -	POS IN 5
12200 /12189	DEF AT last sample examined	POS IN 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 645	Date of Summary: 20-MAR-2003	First Sample Examined: 12565
Lease Number: G11080	Source of Paleo: OPERATOR	Borehole MD: 17032
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 14477
API Well Number: 608114032100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 12565 - 17032	Water Depth: 4344
Public Info Code: Y 15-JUL-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12565 /10801	DEF AT first sample examined	DEF AT 4
12595 /10819	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 4
12730 /10904	DEF AT -----	DEF IN 5
13015 /11082	DEF AT -----	DEF AT 4
13615 /11439	DEF AT -----	DEF IN 5
13705 /11496	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
13825 /11573	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
13915 /11633	DEF AT -----	DEF AT 4
14545 /12091	DEF AT -----	DEF IN 5
14605 /12138	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
14665 /12187	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
14725 /12236	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
14980 /12455	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
15085 /12550	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
15294 /12747	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
15295 /12748	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15325 /12777	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
15355 /12806	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
15385 /12835	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
15415 /12865	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
15430 /12879	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 5
15535 /12983	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 645	<b>Date of Summary:</b> 20-MAR-2003	<b>First Sample Examined:</b> 12565
<b>Lease Number:</b> G11080	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17032
<b>Well Name:</b> A010	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14477
<b>API Well Number:</b> 608114032100	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12565 - 17032	<b>Water Depth:</b> 4344
<b>Public Info Code:</b> Y 15-JUL-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15565 /13013	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF IN 5
15579 /13027	DEF AT local marker planktic foram increase	DEF IN 5
15580 /13028	DEF AT Lower Pliocene (Zanclian) <i>Amaurolithus tricorniculatus</i>	DEF IN 5
15820 /13267	DEF AT Lower Pliocene (Zanclian) <i>Siphotextularia jugosa</i> / "J"	DEF IN 5
15985 /13432	POS AT Lower Pliocene (Zanclian) <i>Ceratolithus acutus</i>	DEF IN 5
16510 /13956	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF IN 5
16899 /14345	DEF AT Lower Pliocene (Zanclian) <i>Discoaster quintatus</i>	DEF IN 5
16900 /14346	POS AT Upper Miocene (Messinian) <i>Discoaster quinquerramus</i>	DEF IN 5
16990 /14436	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF IN 5
17032 /14477	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 645	Date of Summary: 06-DEC-1995	First Sample Examined: 6590
Lease Number: G11081	Source of Paleo: OPERATOR	Borehole MD: 16511
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15394
API Well Number: 608114026000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6590 - 16510	Water Depth: 4344
Public Info Code: Y 11-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6590 / 6590	DEF AT first sample examined	DEF IN 5
7850 / 7850	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS IN 5
8075 / 8075	DEF AT cement	POS IN 5
8900 / 8899	DEF AT -----	POS IN 5
8960 / 8959	DEF AT local marker foram increase	DEF IN 5
9770 / 9769	DEF AT cement	POS IN 5
10130 /10129	DEF AT -----	DEF AT 5
10160 /10159	DEF AT -----	DEF AT 6
10190 /10189	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
10250 /10248	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
10400 /10397	DEF AT -----	POS IN 5
10700 /10688	DEF AT -----	DEF IN 5
11045 /11008	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
11090 /11048	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
11120 /11074	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
11210 /11150	DEF AT -----	POS IN 5
11600 /11472	POS AT Upper Pliocene (Gelasian) Discoaster surculus	POS IN 5
11780 /11619	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
11900 /11715	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
11945 /11751	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6
12020 /11810	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 6
12050 /11833	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 645	Date of Summary: 06-DEC-1995	First Sample Examined: 6590
Lease Number: G11081	Source of Paleo: OPERATOR	Borehole MD: 16511
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15394
API Well Number: 608114026000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6590 - 16510	Water Depth: 4344
Public Info Code: Y 11-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12290 /12017	DEF AT -----	DEF AT 6
12590 /12254	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
12605 /12266	DEF AT -----	DEF IN 6
12799 /12421	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 6
12800 /12421	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 6
12890 /12491	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 6
13190 /12718	DEF AT -----	POS AT 6
13610 /13053	DEF AT -----	DEF IN 5
13790 /13197	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
13880 /13271	DEF AT -----	POS AT 6
14170 /13512	DEF AT -----	DEF IN 5
14440 /13736	DEF AT -----	POS IN 5
14860 /14074	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	POS IN 5
15190 /14334	POS AT Upper Miocene (Messinian) Discoaster berggrenii	POS IN 5
15670 /14719	DEF AT -----	DEF IN 6
15910 /14910	DEF AT -----	POS AT 6
16510 /15393	DEF AT last sample examined	POS AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 645	<b>Date of Summary:</b> 20-MAR-2003	<b>First Sample Examined:</b> 10157
<b>Lease Number:</b> G11081	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18332
<b>Well Name:</b> A009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15118
<b>API Well Number:</b> 608114032000	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10157 - 18332	<b>Water Depth:</b> 4344
<b>Public Info Code:</b> Y 07-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10157 /10033	DEF AT first sample examined	DEF IN 3
10290 /10136	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 3
10320 /10160	DEF AT -----	DEF IN 4
10350 /10184	DEF AT -----	DEF AT 5
10440 /10255	DEF AT -----	DEF AT 4
10740 /10475	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
10920 /10602	DEF AT -----	DEF AT 5
11040 /10687	DEF AT -----	DEF AT 4
11760 /11198	DEF AT -----	DEF AT 5
11940 /11325	DEF AT -----	DEF AT 4
12480 /11707	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
12540 /11751	DEF AT -----	DEF AT 6
12750 /11908	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
13110 /12178	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
13169 /12222	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
13170 /12223	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
13200 /12245	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
13230 /12268	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 6
13320 /12334	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF IN 6
13348 /12355	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 6
13349 /12355	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 6
13350 /12356	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 645	Date of Summary: 20-MAR-2003	First Sample Examined: 10157
Lease Number: G11081	Source of Paleo: OPERATOR	Borehole MD: 18332
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 15118
API Well Number: 608114032000	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 10157 - 18332	Water Depth: 4344
Public Info Code: Y 07-MAY-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /12466	DEF AT -----	DEF AT 6
13560 /12509	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
13590 /12530	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 6
13830 /12700	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 6
13860 /12721	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
13920 /12763	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
13980 /12804	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
14040 /12846	DEF AT local marker floral increase	DEF AT 6
14160 /12927	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
14220 /12968	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
14280 /13009	DEF AT -----	DEF IN 6
14370 /13071	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 6
14460 /13134	DEF AT -----	DEF AT 4
14670 /13281	DEF AT local marker floral increase	DEF AT 4
15000 /13511	DEF AT -----	DEF IN 6
15060 /13553	DEF AT -----	DEF AT 4
15300 /13724	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
16200 /14366	DEF AT -----	DEF AT 4
16380 /14466	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
16440 /14498	DEF AT -----	DEF AT 5
16470 /14514	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
16590 /14575	DEF AT -----	DEF AT 6
16650 /14604	DEF AT -----	DEF AT 5
16680 /14619	DEF AT -----	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 645  
Lease Number: G11081  
Well Name: A009  
API Well Number: 608114032000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 07-MAY-2012

Date of Summary: 20-MAR-2003  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 10157 - 18332  
Ecozone Eq MMS: Y

First Sample Examined: 10157  
Borehole MD: 18332  
Borehole TVD: 15118  
Rkb Elevation: 78  
Water Depth: 4344  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16710 /14633	DEF AT -----	DEF AT 5
16860 /14698	DEF AT -----	DEF IN 4
17040 /14770	DEF AT -----	DEF AT 5
17339 /14852	POS AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF IN 6
17340 /14853	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
17519 /14895	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF IN 6
17520 /14895	DEF IN Upper Miocene (Messinian) Discoaster quinquaramus	DEF IN 6
17715 /14940	DEF AT -----	DEF AT 6
17805 /14962	DEF AT -----	DEF IN 5
17925 /14994	DEF AT -----	DEF AT 5
18060 /15033	DEF AT -----	DEF IN 5
18120 /15051	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
18135 /15056	DEF AT -----	DEF AT 6
18300 /15108	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
18332 /15118	DEF AT last sample examined	DEF AT 6

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 646	Date of Summary: 17-FEB-1984	First Sample Examined: 6285
Lease Number: G20083	Source of Paleo: OPERATOR	Borehole MD: 12365
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12363
API Well Number: 608114039100	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6285 - 12365	Water Depth: 4230
Public Info Code: Y 12-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6285 / 6284	DEF AT first sample examined	DEF AT 5
6690 / 6689	DEF AT - - - - -	DEF IN 5
6810 / 6809	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
6960 / 6959	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
7170 / 7169	DEF AT - - - - -	DEF AT 5
10110 /10109	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10470 /10469	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
10740 /10739	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10800 /10799	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10830 /10829	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11070 /11068	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11100 /11098	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11250 /11248	POS AT local marker deep water fauna	POS AT 6
11400 /11398	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	POS AT 6
11800 /11798	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 6
12220 /12218	DEF AT - - - - -	DEF IN 5
12250 /12248	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
12365 /12363	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 646	<b>Date of Summary:</b> 17-FEB-2004	<b>First Sample Examined:</b> 6285
<b>Lease Number:</b> G20083	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12365
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12363
<b>API Well Number:</b> 608114039100	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6285 - 12365	<b>Water Depth:</b> 4230
<b>Public Info Code:</b> Y 12-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6285 / 6284	DEF AT first sample examined	DEF AT
6690 / 6689	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8520 / 8519	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9570 / 9569	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10020 /10019	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10050 /10049	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10410 /10409	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10740 /10739	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10770 /10769	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10799 /10798	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10800 /10799	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10830 /10829	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10950 /10949	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11040 /11038	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11650 /11648	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11980 /11978	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
12130 /12128	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12190 /12188	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12340 /12338	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12365 /12363	DEF AT last sample examined	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 652  
Lease Number: G21810  
Well Name: 001  
API Well Number: 608114044400  
Paleo Report Num: 1 of 2  
Public Info Code: Y 20-MAY-2015

Date of Summary: 28-APR-2005  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 8040 - 26338  
Ecozone Eq MMS: Y

First Sample Examined: 8040  
Borehole MD: 26338  
Borehole TVD: 26336  
Rkb Elevation: 79  
Water Depth: 4320  
Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 8040	DEF AT first sample examined	POS AT 5
8041 / 8041	DEF IN cement	POS AT 5
8160 / 8160	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10800 /10799	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
12149 /12148	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12150 /12149	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12420 /12419	DEF AT salt	POS AT 5
12510 /12509	DEF AT sample gap top	POS AT 5
16379 /16377	DEF AT sample gap bottom	POS AT 5
16380 /16378	DEF IN salt	POS AT 5
17280 /17278	DEF AT oxidized shale	POS AT 5
17460 /17458	DEF AT salt	POS AT 5
21000 /20998	DEF AT base of salt	POS AT 5
21180 /21178	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
22290 /22288	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
22620 /22618	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
23130 /23128	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
23250 /23248	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
23400 /23398	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23790 /23788	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24600 /24598	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
24870 /24868	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 652	<b>Date of Summary:</b> 28-APR-2005	<b>First Sample Examined:</b> 8040
<b>Lease Number:</b> G21810	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26338
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26336
<b>API Well Number:</b> 608114044400	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8040 - 26338	<b>Water Depth:</b> 4320
<b>Public Info Code:</b> Y 20-MAY-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25090 /25088	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
25800 /25798	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26338 /26336	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 652	Date of Summary: 28-APR-2005	First Sample Examined: 8040
Lease Number: G21810	Source of Paleo: OPERATOR	Borehole MD: 26338
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26336
API Well Number: 608114044400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 8040 - 26338	Water Depth: 4320
Public Info Code: Y 20-MAY-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 8040	DEF AT first sample examined	DEF AT
10560 /10559	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10590 /10589	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11190 /11189	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11220 /11219	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12240 /12239	DEF AT salt	DEF AT
12600 /12599	DEF AT sample gap top	DEF AT
16379 /16377	DEF AT sample gap bottom	DEF AT
16380 /16378	DEF IN salt	DEF AT
17159 /17157	DEF AT gray shale	DEF AT
17160 /17158	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17280 /17278	DEF AT oxidized shale	DEF AT
17460 /17458	DEF AT salt	DEF AT
17520 /17518	DEF AT sample gap top	DEF AT
20970 /20968	DEF AT sample gap bottom	DEF AT
21150 /21148	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21750 /21748	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21990 /21988	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22620 /22618	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
23159 /23157	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
23160 /23158	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23790 /23788	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 652  
 Lease Number: G21810  
 Well Name: 001  
 API Well Number: 608114044400  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 20-MAY-2015

Date of Summary: 28-APR-2005  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: ANADARKO PETROLEUM CORPORATION  
 Sample Range: 8040 - 26338  
 Ecozone Eq MMS:

First Sample Examined: 8040  
 Borehole MD: 26338  
 Borehole TVD: 26336  
 Rkb Elevation: 79  
 Water Depth: 4320  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24599 /24597	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24600 /24598	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25140 /25138	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25350 /25348	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25560 /25558	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
25650 /25648	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
26010 /26008	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
26338 /26336	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 652	<b>Date of Summary:</b> 11-OCT-2005	<b>First Sample Examined:</b> 8040
<b>Lease Number:</b> G21810	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29130
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27450
<b>API Well Number:</b> 608114044900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 71
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8040 - 29130	<b>Water Depth:</b> 4331
<b>Public Info Code:</b> Y 13-OCT-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 8040	DEF AT first sample examined	DEF AT 5
11840 /11840	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12230 /12230	DEF IN salt	DEF AT 5
22690 /21014	POS IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
24730 /23054	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
25120 /23444	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
25390 /23714	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
26170 /24494	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
26710 /25034	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
27520 /25844	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
28300 /26624	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
29130 /27454	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 652	Date of Summary: 11-OCT-2005	First Sample Examined: 8040
Lease Number: G21810	Source of Paleo: OPERATOR	Borehole MD: 29130
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27450
API Well Number: 608114044900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 71
Paleo Report Num: 2 of 2	Sample Range: 8040 - 29130	Water Depth: 4331
Public Info Code: Y 13-OCT-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 8040	DEF AT first sample examined	DEF AT
10370 /10370	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10460 /10460	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10670 /10670	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10760 /10760	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10820 /10820	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11120 /11120	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12230 /12230	DEF IN salt	DEF AT
22460 /20784	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22520 /20844	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT
23680 /22004	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23950 /22274	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
24190 /22514	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
24370 /22694	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
25180 /23504	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25270 /23594	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25420 /23744	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
26560 /24884	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
27070 /25394	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
27910 /26234	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
28120 /26444	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
28300 /26624	POS AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 652	<b>Date of Summary:</b> 11-OCT-2005	<b>First Sample Examined:</b> 8040
<b>Lease Number:</b> G21810	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29130
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27450
<b>API Well Number:</b> 608114044900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 71
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8040 - 29130	<b>Water Depth:</b> 4331
<b>Public Info Code:</b> Y 13-OCT-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28389 /26713	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
28390 /26714	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
29130 /27454	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 653	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 19260
<b>Lease Number:</b> G20084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25382
<b>API Well Number:</b> 608114037300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19260 - 25500	<b>Water Depth:</b> 4238
<b>Public Info Code:</b> Y 01-DEC-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19260 /19148	DEF AT first sample examined	DEF AT
19261 /19149	POS IN base of salt	DEF AT
19262 /19150	DEF AT out-of-place section	DEF AT
19320 /19208	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19380 /19268	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
19590 /19478	DEF AT reworked material	DEF AT
20160 /20048	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
20280 /20168	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20310 /20198	DEF AT local marker floral increase	DEF AT
20670 /20558	DEF AT reworked material	DEF AT
20730 /20618	DEF AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
20880 /20768	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20970 /20858	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21210 /21098	DEF AT reworked material	DEF AT
21300 /21188	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
21450 /21338	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21480 /21368	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21720 /21608	DEF AT reworked material	DEF AT
21810 /21698	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21870 /21758	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
22050 /21938	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22200 /22088	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 653	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 19260
<b>Lease Number:</b> G20084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25382
<b>API Well Number:</b> 608114037300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19260 - 25500	<b>Water Depth:</b> 4238
<b>Public Info Code:</b> Y 01-DEC-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22740 /22627	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT
22950 /22837	DEF IN Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i> (increase)	DEF AT
23160 /23047	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
23190 /23077	POS AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
23280 /23167	DEF IN Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
23460 /23347	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (increase)	DEF AT
23550 /23437	DEF AT local marker floral increase	DEF AT
23670 /23556	DEF AT local marker floral increase	DEF AT
24180 /24066	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (acme)	DEF AT
24181 /24067	POS AT Middle Miocene (Langhian) <i>Discoaster calcosus</i>	DEF AT
24329 /24215	DEF IN Lower Miocene (Burdigalian) <i>Sphenolithus belemnos</i>	DEF AT
24330 /24216	DEF AT Lower Miocene (Burdigalian) <i>Reticulofenestra gartneri</i>	DEF AT
24390 /24275	DEF AT reworked material	DEF AT
24510 /24395	POS AT Lower Miocene (Burdigalian) <i>Orthorhabdus serratus</i>	DEF AT
24780 /24665	DEF AT Lower Miocene (Burdigalian) <i>Orthorhabdus serratus</i>	DEF AT
24810 /24695	POS AT Lower Miocene (Burdigalian) <i>Triquetrorhabdulus carinatus</i>	DEF AT
25020 /24904	DEF AT Lower Miocene (Burdigalian) <i>Triquetrorhabdulus carinatus</i>	DEF AT
25050 /24934	DEF AT reworked material	DEF AT
25380 /25263	POS AT Lower Miocene (Aquitania) <i>Cyclicargolithus abisectus</i>	DEF AT
25410 /25293	DEF AT reworked material	DEF AT
25500 /25383	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 01-APR-2004	First Sample Examined: 23380
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 24680
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24555
API Well Number: 608114037301	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 23380 - 24680	Water Depth: 4238
Public Info Code: Y 29-DEC-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23380 /23267	DEF AT first sample examined	DEF AT
23381 /23268	DEF IN Middle Miocene	DEF AT
23500 /23387	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23590 /23476	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23710 /23596	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23920 /23804	POS AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
24100 /23982	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
24192 /24073	DEF AT sample gap top	DEF AT
24270 /24150	DEF AT sample gap bottom	DEF AT
24330 /24209	DEF AT sample gap top	DEF AT
24421 /24299	DEF AT sample gap bottom	DEF AT
24510 /24387	DEF AT reworked material	DEF AT
24680 /24555	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 01-MAR-2004	First Sample Examined: 21380
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 27856
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26704
API Well Number: 608114037302	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 21380 - 27856	Water Depth: 4238
Public Info Code: Y 14-JAN-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21380 /21268	DEF AT first sample examined	DEF AT
21381 /21269	DEF IN Upper (Late) Miocene	DEF AT
21475 /21363	DEF AT reworked material	DEF AT
21530 /21418	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
21860 /21746	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21920 /21804	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
22130 /22004	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22430 /22277	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22970 /22721	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23270 /22954	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23330 /23001	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23870 /23422	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24950 /24226	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25490 /24640	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
25880 /24955	DEF IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
26030 /25079	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
26540 /25508	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
26690 /25636	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27080 /25973	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
27856 /26701	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 653	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 27860
<b>Lease Number:</b> G20084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28224
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27171
<b>API Well Number:</b> 608114037304	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 27860 - 28224	<b>Water Depth:</b> 4238
<b>Public Info Code:</b> Y 20-MAR-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27860 /26837	DEF AT first sample examined	DEF AT
27950 /26919	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
28070 /27030	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
28224 /27171	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 01-APR-2004	First Sample Examined: 19040
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 25334
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24647
API Well Number: 608114037305	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 19040 - 25334	Water Depth: 4238
Public Info Code: Y 10-MAY-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19040 /18928	DEF AT first sample examined	DEF AT
19280 /19167	DEF AT out-of-place section	DEF AT
19380 /19267	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19470 /19356	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19710 /19593	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19830 /19710	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20070 /19938	DEF IN Upper Miocene (Tortonian) Reticulofenestra pseudumbilica "C"	DEF AT
20280 /20132	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus (increase)	DEF AT
20460 /20293	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20760 /20552	DEF AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
21090 /20833	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21360 /21063	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
21480 /21164	DEF AT reworked material	DEF AT
21689 /21341	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
21690 /21342	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21929 /21543	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21930 /21544	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22200 /21770	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22440 /21972	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22500 /22023	DEF AT local marker floral increase	DEF AT
22530 /22048	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22590 /22099	DEF AT reworked material	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653  
Lease Number: G20084  
Well Name: 001  
API Well Number: 608114037305  
Paleo Report Num: 1 of 1  
Public Info Code: Y 10-MAY-2014

Date of Summary: 01-APR-2004  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 19040 - 25334  
Ecozone Eq MMS:

First Sample Examined: 19040  
Borehole MD: 25334  
Borehole TVD: 24647  
Rkb Elevation: 83  
Water Depth: 4238  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23099 /22525	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23100 /22526	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23130 /22552	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23250 /22655	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23370 /22760	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23520 /22897	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23550 /22925	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
23580 /22952	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
24030 /23380	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24360 /23700	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24375 /23714	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
24420 /23758	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24780 /24109	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
24930 /24255	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
25060 /24381	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25090 /24410	DEF IN Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
25300 /24614	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 02-AUG-2004	First Sample Examined: 20525
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 28350
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27763
API Well Number: 608114041901	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 20525 - 28350	Water Depth: 4238
Public Info Code: Y 12-AUG-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Shenzi 3 Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20525 /20522	DEF AT first sample examined	DEF AT
20526 /20523	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20540 /20537	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20570 /20567	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
20660 /20657	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
21560 /21538	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21649 /21621	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21650 /21622	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21680 /21650	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23030 /22876	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23900 /23673	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
24050 /23810	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24770 /24471	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25340 /24991	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25790 /25399	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25940 /25536	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26060 /25645	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26780 /26311	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
26810 /26339	DEF AT local marker floral increase	DEF AT
27020 /26532	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
27650 /27115	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
27800 /27255	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 653	<b>Date of Summary:</b> 02-AUG-2004	<b>First Sample Examined:</b> 20525
<b>Lease Number:</b> G20084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28350
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27763
<b>API Well Number:</b> 608114041901	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20525 - 28350	<b>Water Depth:</b> 4238
<b>Public Info Code:</b> Y 12-AUG-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28160 /27588	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
28350 /27763	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 01-AUG-2004	First Sample Examined: 27424
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 28000
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27524
API Well Number: 608114041902	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 27424 - 27856	Water Depth: 4340
Public Info Code: Y 27-SEP-2014	Ecozone Eq MMS:	Paleo ID: 001

Remark: Shenzi 3 Prospect, core nannofossil analysis for bypass, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27424 /26959	DEF AT first sample examined	DEF AT
27856 /27383	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 01-NOV-2004	First Sample Examined: 20100
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 24729
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24544
API Well Number: 608114041903	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 20100 - 24728	Water Depth: 4340
Public Info Code: Y 29-NOV-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Shenzi 3 Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20100 /20098	DEF AT first sample examined	DEF AT
20389 /20384	DEF IN salt	DEF AT
20390 /20385	DEF AT out-of-place section	DEF AT
20540 /20532	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20690 /20677	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20840 /20822	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
20960 /20937	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21169 /21138	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21170 /21139	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21200 /21168	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22160 /22090	DEF AT local marker floral increase	DEF AT
22370 /22292	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
22430 /22349	DEF AT local marker floral increase	DEF AT
22730 /22636	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22760 /22665	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23540 /23410	DEF AT local marker floral increase	DEF AT
23570 /23439	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23689 /23553	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23690 /23554	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23850 /23707	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23940 /23792	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
24000 /23849	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653  
Lease Number: G20084  
Well Name: 002  
API Well Number: 608114041903  
Paleo Report Num: 1 of 1  
Public Info Code: Y 29-NOV-2014

Date of Summary: 01-NOV-2004  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 20100 - 24728  
Ecozone Eq MMS:

First Sample Examined: 20100  
Borehole MD: 24729  
Borehole TVD: 24544  
Rkb Elevation: 83  
Water Depth: 4340  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24120 /23963	DEF AT local marker floral increase	DEF AT
24150 /23992	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
24270 /24106	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
24420 /24249	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
24450 /24277	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24480 /24306	DEF AT salt	DEF AT
24719 /24534	DEF IN salt	DEF AT
24720 /24535	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
24728 /24543	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 24-FEB-2005	First Sample Examined: 23730
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 24698
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24554
API Well Number: 608114041904	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 23730 - 24690	Water Depth: 4340
Public Info Code: Y 26-DEC-2014	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23730 /23592	DEF AT first sample examined	DEF AT
23759 /23620	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23760 /23621	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23880 /23738	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
24389 /24245	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24390 /24246	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
24479 /24335	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24480 /24336	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
24600 /24456	DEF AT Lower Miocene (Aquitania) Sphenolithus conicus	DEF AT
24630 /24486	DEF IN Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
24690 /24546	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 01-APR-2005	First Sample Examined: 24880
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 28200
Well Name: 003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27701
API Well Number: 608114043300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 24880 - 28069	Water Depth: 4239
Public Info Code: Y 05-APR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Shenzi 4 Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24880 /24542	DEF AT first sample examined	POS IN 5
24881 /24543	DEF AT cement	POS IN 5
24930 /24588	DEF IN Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF IN 5
25080 /24728	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
25258 /24894	DEF AT radiolarians	DEF IN 6
25259 /24895	DEF AT foram flood	DEF IN 6
25260 /24896	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
25350 /24981	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6
25380 /25009	DEF IN Upper Eocene (Priabonian) Hantkenina alabamensis	DEF IN 6
25439 /25065	DEF AT radiolarians	DEF IN 6
25440 /25066	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
25559 /25179	DEF AT local marker planktic foram increase	DEF IN 6
25560 /25180	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 6
25589 /25207	DEF AT local marker foram decrease	DEF IN 6
25590 /25208	DEF AT radiolarians	DEF IN 6
25680 /25293	DEF AT local marker foram decrease	DEF AT 6
25800 /25407	DEF AT Arenaceous fauna (local marker)	DEF AT 6
25860 /25464	DEF AT - - - - -	DEF AT 5
26040 /25635	DEF AT Bathysiphon fauna	DEF AT 5
26100 /25692	DEF AT - - - - -	DEF AT 4
26250 /25834	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 4
26580 /26149	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 01-APR-2005	First Sample Examined: 24880
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 28200
Well Name: 003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27701
API Well Number: 608114043300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 24880 - 28069	Water Depth: 4239
Public Info Code: Y 05-APR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26655 /26220	DEF AT local marker foram decrease	DEF AT 4
26685 /26249	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26730 /26292	DEF AT Bathysiphon fauna	DEF AT 4
26910 /26464	DEF AT - - - -	POS AT 4
27000 /26550	DEF AT Bathysiphon fauna	DEF AT 4
27360 /26895	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT 4
27388 /26922	DEF AT siltstone	DEF IN 4
27389 /26923	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF IN 4
27390 /26924	POS AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF IN 4
27479 /27009	DEF AT limestone	DEF IN 4
27480 /27010	DEF AT radiolarians	DEF IN 4
27495 /27024	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT 4
27540 /27067	DEF AT Upper Cretaceous (Campanian) Globorotalites micheliniana	DEF AT 4
27600 /27125	POS AT Upper Cretaceous (Campanian) Globotruncana elevata	DEF AT 4
27899 /27412	DEF AT radiolarians	DEF AT
27900 /27413	DEF AT local marker foram decrease	DEF AT
27930 /27442	DEF AT limestone	DEF AT
27990 /27499	DEF AT radiolarians	DEF AT
28069 /27575	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653	Date of Summary: 01-APR-2005	First Sample Examined: 19280
Lease Number: G20084	Source of Paleo: OPERATOR	Borehole MD: 28200
Well Name: 003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27701
API Well Number: 608114043300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 19280 - 28069	Water Depth: 4239
Public Info Code: Y 05-APR-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Shenzi 4 Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19280 /19167	DEF AT first sample examined	DEF AT
19281 /19168	POS IN gouge	DEF AT
19310 /19196	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19670 /19541	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20270 /20117	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20840 /20665	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20870 /20694	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
20990 /20810	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21640 /21435	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21830 /21618	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22130 /21908	DEF AT local marker floral increase	DEF AT
22190 /21966	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
22250 /22023	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22670 /22427	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22790 /22542	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23100 /22840	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23250 /22984	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
23460 /23185	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23610 /23329	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
23940 /23648	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24030 /23735	DEF AT local marker floral increase	DEF AT
24090 /23792	DEF AT reworked material	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 653  
Lease Number: G20084  
Well Name: 003  
API Well Number: 608114043300  
Paleo Report Num: 2 of 2  
Public Info Code: Y 05-APR-2015

Date of Summary: 01-APR-2005  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 19280 - 28069  
Ecozone Eq MMS:

First Sample Examined: 19280  
Borehole MD: 28200  
Borehole TVD: 27701  
Rkb Elevation: 81  
Water Depth: 4239  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24300 /23995	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24660 /24338	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
24689 /24365	DEF AT Lower Miocene (Aquitainian) Helicosphaera recta	DEF AT
24690 /24366	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
24750 /24422	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
24840 /24505	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
24930 /24588	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25080 /24728	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25229 /24867	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
25230 /24868	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
25349 /24980	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
25350 /24981	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
25380 /25009	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
25530 /25151	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
25559 /25179	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
25560 /25180	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
25650 /25265	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
25709 /25321	DEF AT local marker floral decrease	DEF AT
25710 /25322	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
25770 /25379	DEF AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF AT
25800 /25407	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
25980 /25578	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
26580 /26149	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
27149 /26693	DEF AT reworked material	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 653	<b>Date of Summary:</b> 01-APR-2005	<b>First Sample Examined:</b> 19280
<b>Lease Number:</b> G20084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28200
<b>Well Name:</b> 003	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27701
<b>API Well Number:</b> 608114043300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19280 - 28069	<b>Water Depth:</b> 4239
<b>Public Info Code:</b> Y 05-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27150 /26694	DEF AT Upper Paleocene Selandian Stage	DEF AT
27420 /26952	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	DEF AT
27450 /26981	DEF AT Upper Cretaceous (Campanian) Eiffellithus eximius	DEF AT
27690 /27211	DEF AT - - - - -	DEF AT
27720 /27240	DEF AT Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
27959 /27470	DEF AT local marker floral decrease	DEF AT
27960 /27471	POS AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
27990 /27499	POS AT Lower Cretaceous Aptian Stage	DEF AT
28050 /27557	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 654	Date of Summary: 15-JUN-2005	First Sample Examined: 15460
Lease Number: G20085	Source of Paleo: OPERATOR	Borehole MD: 28525
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28525
API Well Number: 608114044500	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 15460 - 28525	Water Depth: 4342
Public Info Code: Y 19-JUN-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Shenzi 5 Prospect, calcareous nannofossil report, samples from 15460 to 18950 are from various inclusions containing Miocene to Paleogene coccolith species within salt, in-place section begins at 19790, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15460 /15460	DEF AT first sample examined	DEF AT
15461 /15461	DEF IN salt	DEF AT
15462 /15462	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15980 /15980	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16160 /16160	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18120 /18120	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
18230 /18230	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18320 /18320	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
18680 /18680	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18859 /18859	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
18860 /18860	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19670 /19670	DEF AT gouge	DEF AT
19790 /19790	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19910 /19910	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
19940 /19940	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
20060 /20060	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20540 /20540	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20570 /20570	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20840 /20840	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
21410 /21410	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
21530 /21530	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 654  
Lease Number: G20085  
Well Name: 002  
API Well Number: 608114044500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-JUN-2015

Date of Summary: 15-JUN-2005  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 15460 - 28525  
Ecozone Eq MMS:

First Sample Examined: 15460  
Borehole MD: 28525  
Borehole TVD: 28525  
Rkb Elevation: 75  
Water Depth: 4342  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21770 /21770	DEF AT local marker floral increase	DEF AT
21859 /21859	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21860 /21860	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22370 /22370	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22880 /22880	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22910 /22910	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
23299 /23299	POS AT reworked material	DEF AT
23300 /23300	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
23510 /23510	POS AT reworked material	DEF AT
23990 /23990	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
24500 /24500	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
25430 /25430	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
25850 /25850	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26180 /26180	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
26270 /26270	DEF AT local marker floral increase	DEF AT
26540 /26540	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26630 /26630	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26750 /26750	DEF AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
27320 /27320	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
27439 /27439	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
27440 /27440	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
27500 /27500	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
28370 /28370	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
28430 /28430	DEF AT reworked material	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 654	<b>Date of Summary:</b> 15-JUN-2005	<b>First Sample Examined:</b> 15460
<b>Lease Number:</b> G20085	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28525
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 28525
<b>API Well Number:</b> 608114044500	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15460 - 28525	<b>Water Depth:</b> 4342
<b>Public Info Code:</b> Y 19-JUN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28487 /28487	POS AT reworked material	DEF AT
28488 /28488	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
28489 /28489	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
28490 /28490	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
28525 /28525	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 10-NOV-2003	First Sample Examined: 8500
Lease Number: G21811	Source of Paleo: OPERATOR	Borehole MD: 17315
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15948
API Well Number: 608114037401	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8500 - 17315	Water Depth: 4968
Public Info Code: Y 14-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8500	DEF AT first sample examined	DEF AT 5
9430 / 9424	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9640 / 9625	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10960 /10748	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11380 /11080	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
12160 /11702	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12310 /11823	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13480 /12774	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13570 /12847	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
13630 /12896	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13660 /12921	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14830 /13881	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15100 /14103	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
15130 /14128	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
15250 /14226	DEF AT -----	DEF IN 5
15820 /14698	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
16030 /14873	DEF AT -----	DEF AT 5
17110 /15775	DEF AT -----	DEF AT 6
17315 /15948	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 680	<b>Date of Summary:</b> 10-NOV-2003	<b>First Sample Examined:</b> 8500
<b>Lease Number:</b> G21811	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17315
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15948
<b>API Well Number:</b> 608114037401	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8500 - 17315	<b>Water Depth:</b> 4968
<b>Public Info Code:</b> Y 14-NOV-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 17110=absence of Discoaster quinquerramus with abrupt abundance and assemblage change could indicate slightly younger age, probably below the Ceratolithus acutus LAD with persistent Discoaster antarcticus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8500	DEF AT first sample examined	DEF AT
9430 / 9424	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9610 / 9597	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10930 /10724	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10960 /10748	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12250 /11774	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12370 /11871	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13270 /12602	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13540 /12823	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13570 /12847	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13780 /13019	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13810 /13043	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13900 /13117	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15250 /14226	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15370 /14325	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15610 /14524	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15790 /14673	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
17110 /15775	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
17315 /15948	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 10-DEC-2003	First Sample Examined: 11500
Lease Number: G21811	Source of Paleo: OPERATOR	Borehole MD: 17920
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14946
API Well Number: 608114037402	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11500 - 17920	Water Depth: 4968
Public Info Code: Y 03-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 16390=in younger age section, as old as Globigerina nepenthes

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11500 /11174	DEF AT first sample examined	DEF AT 5
12250 /11696	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12370 /11768	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
14080 /12776	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14110 /12795	DEF AT -----	DEF IN 5
14139 /12813	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
14140 /12813	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14290 /12906	DEF AT -----	DEF AT 5
14470 /13016	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14890 /13269	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15190 /13447	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
15220 /13465	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15880 /13870	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16390 /14174	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17920 /14946	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 10-DEC-2003	First Sample Examined: 11500
Lease Number: G21811	Source of Paleo: OPERATOR	Borehole MD: 17920
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14946
API Well Number: 608114037402	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11500 - 17920	Water Depth: 4968
Public Info Code: Y 03-DEC-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 16690=in younger age section definitely below Reticulofenestra pseudumbilica

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11500 /11174	DEF AT first sample examined	DEF AT
11530 /11197	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12250 /11696	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12400 /11786	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13720 /12559	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14050 /12758	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14140 /12813	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14290 /12906	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14890 /13269	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15250 /13483	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15340 /13538	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15760 /13797	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15910 /13889	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16390 /14174	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16690 /14343	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
17920 /14946	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 02-FEB-2004	First Sample Examined: 15048
Lease Number: G21811	Source of Paleo: OPERATOR	Borehole MD: 18618
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15475
API Well Number: 608114039001	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15048 - 18617	Water Depth: 4972
Public Info Code: Y 24-JAN-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15048 /12512	DEF AT first sample examined	DEF AT 5
15760 /12972	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
16630 /13678	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
16840 /13865	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
16870 /13892	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
16960 /13973	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
17740 /14676	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
17800 /14730	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
18617 /15474	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 02-FEB-2004	First Sample Examined: 14980
Lease Number: G21811	Source of Paleo: OPERATOR	Borehole MD: 18618
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15475
API Well Number: 608114039001	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 14980 - 18617	Water Depth: 4972
Public Info Code: Y 24-JAN-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14980 /12473	DEF AT first sample examined	DEF AT
14981 /12473	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15220 /12610	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16329 /13419	POS AT condensed section	DEF AT
16330 /13420	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
16630 /13678	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16840 /13865	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16960 /13973	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17800 /14730	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18070 /14973	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18310 /15191	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
18340 /15218	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18617 /15474	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 12-NOV-2001	First Sample Examined: 7920
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 13727
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13727
API Well Number: 608114030900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7920 - 13727	Water Depth: 5080
Public Info Code: Y 30-NOV-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Ticonderoga Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7920 / 7920	DEF AT first sample examined	DEF AT 5
8010 / 8010	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10230 /10230	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11820 /11819	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11850 /11849	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12478 /12477	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
12479 /12478	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12480 /12479	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12509 /12508	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
12510 /12509	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13727 /13725	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 12-NOV-2001	First Sample Examined: 7920
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 13727
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13727
API Well Number: 608114030900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7920 - 13510	Water Depth: 5080
Public Info Code: Y 30-NOV-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Ticonderoga Prospect, calcareous nannofossil report, single occurrences of Discoaster quinquerramus (13620) and Discoaster neohamatus (13650) are out of place, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7920 / 7920	DEF AT first sample examined	DEF AT
9870 / 9870	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10230 /10230	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11400 /11399	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11820 /11819	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11850 /11849	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12480 /12479	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12510 /12509	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12569 /12568	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12570 /12569	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13620 /13618	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13727 /13725	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 10-JUL-2003	First Sample Examined: 6945
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 14642
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14260
API Well Number: 608114037400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6945 - 14640	Water Depth: 4968
Public Info Code: Y 01-JUL-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Ticonderoga Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6945 / 6945	DEF AT first sample examined	DEF AT 5
7020 / 7020	DEF AT - - - - -	DEF IN 5
7110 / 7110	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
7380 / 7380	DEF AT - - - - -	DEF AT 5
8730 / 8730	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12450 /12068	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13020 /12638	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13080 /12698	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13109 /12727	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
13110 /12728	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13140 /12758	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13170 /12788	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13860 /13478	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
14520 /14138	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14640 /14258	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 10-JUL-2003	First Sample Examined: 6945
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 14642
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14260
API Well Number: 608114037400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6945 - 14640	Water Depth: 4968
Public Info Code: Y 01-JUL-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Ticonderoga Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6945 / 6945	DEF AT first sample examined	DEF AT
7020 / 7020	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7080 / 7080	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8730 / 8730	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11220 /10911	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12450 /12068	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13080 /12698	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13110 /12728	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13140 /12758	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13560 /13178	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14520 /14138	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14640 /14258	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 03-SEP-2003	First Sample Examined: 6930
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 16028
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15227
API Well Number: 608114038200	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6930 - 16020	Water Depth: 5071
Public Info Code: Y 10-SEP-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Ticonderoga Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6930 / 6930	DEF AT first sample examined	DEF AT
7920 / 7920	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9600 / 9600	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10740 /10740	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11160 /11160	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11520 /11520	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11610 /11610	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12510 /12510	DEF AT sample gap top	DEF AT
12539 /12539	DEF AT sample gap bottom	DEF AT
12540 /12540	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14070 /13939	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
16020 /15221	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 680	<b>Date of Summary:</b> 04-SEP-2003	<b>First Sample Examined:</b> 6930
<b>Lease Number:</b> G22987	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16028
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15227
<b>API Well Number:</b> 608114038200	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6930 - 16020	<b>Water Depth:</b> 5071
<b>Public Info Code:</b> Y 10-SEP-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Ticonderoga Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6930 / 6930	DEF AT first sample examined	DEF AT 5
7770 / 7770	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8010 / 8010	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10590 /10590	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11520 /11520	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11580 /11580	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
11670 /11670	DEF AT - - - - -	DEF AT 5
12540 /12540	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12599 /12599	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12600 /12600	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15000 /14521	POS AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
15750 /15030	DEF AT - - - - -	DEF AT 6
15780 /15052	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
16020 /15221	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 680	<b>Date of Summary:</b> 26-SEP-2003	<b>First Sample Examined:</b> 12590
<b>Lease Number:</b> G22987	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16220
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16150
<b>API Well Number:</b> 608114038202	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12590 - 16220	<b>Water Depth:</b> 5071
<b>Public Info Code:</b> Y 01-OCT-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Ticonderoga Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12590 /12590	DEF AT first sample examined	DEF AT
12591 /12591	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14120 /14079	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15950 /15880	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16220 /16150	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 29-SEP-2003	First Sample Examined: 12590
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 16220
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16150
API Well Number: 608114038202	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12590 - 16220	Water Depth: 5071
Public Info Code: Y 01-OCT-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Ticonderoga Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12590 /12590	DEF AT first sample examined	DEF AT 5
12591 /12591	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12770 /12769	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14090 /14050	DEF AT -----	DEF IN 5
14300 /14252	DEF AT -----	DEF AT 5
14900 /14834	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15980 /15910	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
16220 /16150	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 22-MAY-2003	First Sample Examined: 8490
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 15213
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15203
API Well Number: 608114036900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 8490 - 15213	Water Depth: 4994
Public Info Code: Y 12-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Ticonderoga Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8490 / 8490	DEF AT first sample examined	DEF AT 5
8730 / 8730	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9600 / 9599	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
9870 / 9868	DEF AT - - - - -	DEF AT 5
11640 /11632	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11850 /11841	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
11970 /11960	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
12060 /12050	DEF AT - - - - -	DEF AT 5
12660 /12650	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12720 /12710	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12810 /12800	DEF AT - - - - -	DEF AT 5
13470 /13460	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
13500 /13490	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14790 /14780	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
14940 /14930	DEF IN salt	DEF AT 5
15213 /15203	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 22-MAY-2003	First Sample Examined: 8490
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 15213
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15203
API Well Number: 608114036900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 8490 - 15213	Water Depth: 4994
Public Info Code: Y 12-MAY-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Ticonderoga Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8490 / 8490	DEF AT first sample examined	DEF AT
9480 / 9479	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9600 / 9599	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10860 /10855	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11850 /11841	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11940 /11930	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12690 /12680	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12720 /12710	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13440 /13430	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14790 /14780	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14880 /14870	DEF AT salt	DEF AT
15213 /15203	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 680	<b>Date of Summary:</b> 22-MAY-2003	<b>First Sample Examined:</b> 12550
<b>Lease Number:</b> G22987	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22233
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20001
<b>API Well Number:</b> 608114036901	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12550 - 22233	<b>Water Depth:</b> 4968
<b>Public Info Code:</b> Y 01-JUN-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Ticonderoga Prospect, calcareous nannofossil report, mixed flora from 20310 to 21900, possibly all within a salt weld interval (Late Miocene to Middle Miocene age) where older 'out-of-place' species vary in consistency, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12550 /12540	DEF AT first sample examined	DEF AT
12690 /12680	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12810 /12799	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13410 /13362	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
16650 /15827	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18690 /17383	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
19140 /17743	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19710 /18194	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20309 /18652	POS AT salt weld	DEF AT
20310 /18653	DEF AT out-of-place section	DEF AT
20490 /18787	DEF AT out-of-place section	DEF AT
20880 /19074	DEF AT out-of-place section	DEF AT
21870 /19765	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22233 /20001	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 22-MAY-2003	First Sample Examined: 12550
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 22233
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20001
API Well Number: 608114036901	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 12550 - 22233	Water Depth: 4968
Public Info Code: Y 01-JUN-2013	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Ticonderoga Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12550 /12540	DEF AT first sample examined	DEF AT 5
12690 /12680	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12719 /12709	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12720 /12710	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13440 /13387	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
16620 /15804	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
17430 /16413	DEF AT -----	DEF AT 6
18360 /17124	DEF AT -----	DEF IN 5
18630 /17336	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
19127 /17732	DEF AT -----	DEF AT 5
19230 /17815	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
19710 /18194	DEF AT -----	DEF IN 5
20010 /18425	DEF AT out-of-place section	DEF AT 5
20460 /18765	POS AT salt weld	DEF AT 5
21900 /19785	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
22233 /20001	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 10-JUL-2003	First Sample Examined: 14020
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15597
API Well Number: 608114036902	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 14020 - 16600	Water Depth: 4968
Public Info Code: Y 11-JUL-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Ticonderoga Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14020 /13837	DEF AT first sample examined	DEF AT 5
14320 /14056	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16600 /15597	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 10-JUL-2003	First Sample Examined: 14020
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15597
API Well Number: 608114036902	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 14020 - 16600	Water Depth: 4968
Public Info Code: Y 11-JUL-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Ticonderoga Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14020 /13837	DEF AT first sample examined	DEF AT
14021 /13837	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15880 /15146	DEF AT sample gap top	DEF AT
15909 /15166	DEF AT sample gap bottom	DEF AT
15910 /15166	POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16600 /15597	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 680	Date of Summary: 08-MAR-2005	First Sample Examined: 14400
Lease Number: G22987	Source of Paleo: OPERATOR	Borehole MD: 14900
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14662
API Well Number: 608114042900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 14400 - 14900	Water Depth: 4970
Public Info Code: Y 21-FEB-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Ticonderoga Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14400 /14196	DEF AT first sample examined	DEF AT 5
14640 /14420	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14700 /14476	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 5
14760 /14532	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
14790 /14560	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
14820 /14587	DEF AT - - - - -	DEF IN 5
14900 /14662	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 680	<b>Date of Summary:</b> 08-MAR-2005	<b>First Sample Examined:</b> 14400
<b>Lease Number:</b> G22987	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14900
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14662
<b>API Well Number:</b> 608114042900	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14400 - 14900	<b>Water Depth:</b> 4970
<b>Public Info Code:</b> Y 21-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Ticonderoga Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14400 /14196	DEF AT first sample examined	DEF AT
14760 /14532	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14900 /14662	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 683	Date of Summary: 02-JUN-2006	First Sample Examined: 20980
Lease Number: G18421	Source of Paleo: OPERATOR	Borehole MD: 29721
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27988
API Well Number: 608114042700	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 20980 - 27974	Water Depth: 4468
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20980 /20430	DEF AT first sample examined	DEF AT
20981 /20430	DEF AT base of salt	DEF AT
21010 /20456	POS IN Middle Eocene	DEF AT
21070 /20508	DEF AT salt	DEF AT
21160 /20586	DEF AT base of salt	DEF AT
22630 /21854	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22660 /21879	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
24100 /23119	DEF AT - - - - -	DEF IN 5
24130 /23145	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF IN 5
24220 /23222	DEF AT - - - - -	DEF AT 4
24430 /23403	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
24730 /23660	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
24970 /23866	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
25720 /24512	DEF AT - - - - -	DEF IN 5
25930 /24694	DEF AT - - - - -	DEF AT 4
26410 /25107	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
26560 /25236	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
26980 /25598	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 4
27729 /26243	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 4
27730 /26244	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 4
28480 /26887	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 4
28810 /27174	DEF AT local marker floral increase	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 683	<b>Date of Summary:</b> 02-JUN-2006	<b>First Sample Examined:</b> 20980
<b>Lease Number:</b> G18421	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29721
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27988
<b>API Well Number:</b> 608114042700	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20980 - 27974	<b>Water Depth:</b> 4468
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28900 /27252	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
28960 /27305	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT 4
28990 /27331	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 4
29110 /27437	DEF AT - - - - -	DEF AT 6
29140 /27464	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 6
29200 /27518	POS IN Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 6
29470 /27760	POS AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 6
29500 /27787	POS AT Upper Oligocene (Chattian) Bolivina perca	DEF AT 4
29530 /27814	DEF AT - - - - -	DEF AT 4
29560 /27841	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT 4
29721 /27986	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 683	<b>Date of Summary:</b> 14-SEP-2006	<b>First Sample Examined:</b> 26396
<b>Lease Number:</b> G18421	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27600
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26089
<b>API Well Number:</b> 608114042701	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 26396 - 27600	<b>Water Depth:</b> 4457
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26396 /25095	DEF AT first sample examined	DEF IN 4
26460 /25150	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 4
26520 /25201	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 4
27600 /26089	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 683	Date of Summary: 11-OCT-2006	First Sample Examined: 21390
Lease Number: G18421	Source of Paleo: OPERATOR	Borehole MD: 27204
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25139
API Well Number: 608114042702	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 21390 - 27204	Water Depth: 4457
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21390 /20786	DEF AT first sample examined	POS AT 5
21391 /20787	DEF IN out-of-place section	POS AT 5
21480 /20865	DEF AT - - - - -	DEF AT 5
21900 /21231	DEF AT transported outer shelf facies	DEF AT 5
21930 /21257	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
22740 /21951	DEF AT transported shelf fauna	POS AT 5
22890 /22075	DEF AT transported outer shelf facies	POS AT 5
23160 /22295	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
23190 /22319	POS AT transported shelf fauna	DEF AT 6
23940 /22864	DEF AT transported outer shelf facies	DEF AT 6
24510 /23260	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
24540 /23281	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
24570 /23302	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
24660 /23364	POS AT transported shelf fauna	DEF AT 6
25018 /23613	POS AT unconformity	DEF AT 6
25019 /23614	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
25020 /23615	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
25110 /23677	DEF AT - - - - -	DEF IN 5
25170 /23719	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
25200 /23740	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
25290 /23802	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
25470 /23927	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 683	<b>Date of Summary:</b> 11-OCT-2006	<b>First Sample Examined:</b> 21390
<b>Lease Number:</b> G18421	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27204
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 25139
<b>API Well Number:</b> 608114042702	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 21390 - 27204	<b>Water Depth:</b> 4457
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25530 /23969	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
26040 /24324	DEF AT transported outer shelf facies	DEF IN 5
26610 /24721	DEF AT - - - - -	DEF AT 6
26670 /24764	DEF AT transported outer shelf facies	DEF AT 6
27204 /25139	DEF AT last sample examined	DEF AT 6



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 683	Date of Summary: 11-OCT-2006	First Sample Examined: 23806
Lease Number: G18421	Source of Paleo: OPERATOR	Borehole MD: 29627
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26894
API Well Number: 608114042703	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 23806 - 29627	Water Depth: 4468
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23806 /22765	DEF AT first sample examined	DEF IN 5
24340 /23140	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
24490 /23247	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
24640 /23351	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
24970 /23579	DEF AT - - - - -	DEF AT 5
24999 /23599	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
25000 /23600	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
25149 /23703	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
25150 /23704	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
25180 /23724	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
25210 /23745	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
25240 /23766	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
25510 /23953	DEF AT - - - - -	DEF IN 5
25600 /24016	DEF AT - - - - -	DEF AT 5
25750 /24120	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5
29627 /26894	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 700	<b>Date of Summary:</b> 13-JAN-1999	<b>First Sample Examined:</b> 7186
<b>Lease Number:</b> G15604	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19525
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18701
<b>API Well Number:</b> 608115012401	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7186 - 19525	<b>Water Depth:</b> 4409
<b>Public Info Code:</b> Y 22-MAY-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, 14145=undifferentiated Pliocene, may still be in salt, 14175-15100=mixed Plio-Pleistocene fauna and flora

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7186 / 7186	DEF AT first sample examined	DEF AT
7187 / 7187	DEF AT cement	DEF AT
7320 / 7320	DEF AT salt	DEF AT
14144 /14117	POS AT base of salt	DEF AT
14145 /14118	POS IN Pliocene	DEF AT
14175 /14147	DEF IN out-of-place section	DEF AT
14205 /14177	DEF AT - - - - -	POS AT 5
15100 /15054	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	POS AT 5
15115 /15068	DEF AT - - - - -	DEF IN 5
15415 /15349	DEF AT - - - - -	POS AT 5
16270 /16096	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	POS AT 5
16360 /16171	DEF AT - - - - -	POS AT 5
16480 /16271	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS AT 5
16525 /16308	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 5
16690 /16442	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS AT 5
17100 /16769	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	POS AT 5
17400 /17006	POS AT Middle Miocene (Serravallian) Discoaster kugleri	POS AT 5
18650 /18000	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 5
19100 /18365	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	POS AT 5
19290 /18516	DEF AT Upper Oligocene (Chattian) Globigerina sellii	POS AT 5
19379 /18586	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 700	Date of Summary: 13-JAN-1999	First Sample Examined: 7186
Lease Number: G15604	Source of Paleo: OPERATOR	Borehole MD: 19525
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18701
API Well Number: 608115012401	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7186 - 19525	Water Depth: 4409
Public Info Code: Y 22-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19380 /18587	DEF AT last sample examined	POS AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 700	<b>Date of Summary:</b> 13-JAN-1999	<b>First Sample Examined:</b> 18170
<b>Lease Number:</b> G15604	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20097
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18934
<b>API Well Number:</b> 608115012402	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18170 - 20015	<b>Water Depth:</b> 4409
<b>Public Info Code:</b> Y 11-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18170 /17617	DEF AT first sample examined	DEF AT
18695 /18017	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19235 /18384	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
19400 /18488	POS AT Upper Oligocene (Chattian) Globigerina sellii	POS AT 5
19475 /18536	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	POS AT 5
20015 /18881	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 723	Date of Summary: 18-JUN-2010	First Sample Examined: 8130
Lease Number: G21813	Source of Paleo: OPERATOR	Borehole MD: 32685
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32685
API Well Number: 608114056000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 8130 - 32603	Water Depth: 5040
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, possible top of repeat section is indicated at 26000'

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8130 / 8130	DEF AT first sample examined	DEF IN 5
8220 / 8220	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
8280 / 8280	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
8730 / 8730	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
9120 / 9120	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
9269 / 9269	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
9270 / 9270	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
9958 / 9958	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF IN 5
9959 / 9959	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
9960 / 9960	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10650 /10650	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
10773 /10773	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
11158 /11158	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
11159 /11159	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
11160 /11160	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11340 /11340	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11490 /11490	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
11880 /11880	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
12480 /12480	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
12510 /12510	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
14730 /14730	POS IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
15300 /15300	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 723	Date of Summary: 18-JUN-2010	First Sample Examined: 8130
Lease Number: G21813	Source of Paleo: OPERATOR	Borehole MD: 32685
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32685
API Well Number: 608114056000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 8130 - 32603	Water Depth: 5040
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15330 /15330	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
16438 /16438	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
16439 /16439	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
16440 /16440	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
16650 /16650	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 5
18330 /18330	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
18510 /18510	DEF AT - - - - -	DEF AT 5
18990 /18990	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
19350 /19350	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
19500 /19500	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
19830 /19830	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
20100 /20100	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
21720 /21720	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
21750 /21750	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
22290 /22290	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
22410 /22410	DEF AT - - - - -	DEF AT 6
22740 /22740	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
22800 /22800	DEF AT - - - - -	DEF AT 5
23159 /23159	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
23160 /23160	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
23370 /23370	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
23759 /23759	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
23760 /23760	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23820 /23820	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 723  
Lease Number: G21813  
Well Name: 001  
API Well Number: 608114056000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-NOV-2012

Date of Summary: 18-JUN-2010  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: NOBLE ENERGY INC  
Sample Range: 8130 - 32603  
Ecozone Eq MMS: Y

First Sample Examined: 8130  
Borehole MD: 32685  
Borehole TVD: 32685  
Rkb Elevation: 72  
Water Depth: 5040  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24390 /24390	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
24419 /24419	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
24420 /24420	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
24510 /24510	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
24570 /24570	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
25140 /25140	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
25260 /25260	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
25530 /25530	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 5
25739 /25739	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
25740 /25740	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT 5
25860 /25860	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
25940 /25940	POS AT Lower Miocene (Aquitainian) Sphenolithus dissimilis	DEF AT 5
25999 /25999	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
26000 /26000	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
26360 /26360	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
26420 /26420	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
26479 /26479	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
26480 /26480	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
26788 /26788	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
26789 /26789	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
26790 /26790	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
27420 /27420	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
27779 /27779	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
27780 /27780	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 723	Date of Summary: 18-JUN-2010	First Sample Examined: 8130
Lease Number: G21813	Source of Paleo: OPERATOR	Borehole MD: 32685
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32685
API Well Number: 608114056000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 8130 - 32603	Water Depth: 5040
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28110 /28110	POS AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT 5
28620 /28620	DEF AT local marker floral increase	DEF AT 5
30239 /30239	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
30240 /30240	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
30869 /30869	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
30870 /30870	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 5
30900 /30900	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
30920 /30920	POS IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
31080 /31080	POS AT Lower Miocene (Aquitania) Globorotalia kugleri	DEF AT 5
31109 /31109	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
31110 /31110	POS AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 5
31200 /31200	POS AT Upper Oligocene (Chattian) Sphenolithus ciperensis	DEF AT 5
31290 /31290	POS IN Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
31440 /31440	DEF AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF AT 5
31500 /31500	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
31530 /31530	POS IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
31680 /31680	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
31769 /31769	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
31770 /31770	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
31800 /31800	DEF AT local marker floral increase	DEF AT 5
31830 /31830	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
31860 /31860	DEF AT local marker floral increase	DEF AT 5
31889 /31889	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
31890 /31890	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 723	Date of Summary: 18-JUN-2010	First Sample Examined: 8130
Lease Number: G21813	Source of Paleo: OPERATOR	Borehole MD: 32685
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32685
API Well Number: 608114056000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 8130 - 32603	Water Depth: 5040
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31948 /31948	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
31949 /31949	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
31950 /31950	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
32039 /32039	DEF AT radiolarians	DEF AT 5
32040 /32040	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
32128 /32128	DEF AT radiolarians	DEF AT 5
32129 /32129	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
32130 /32130	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
32220 /32220	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
32248 /32248	POS AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5
32249 /32249	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
32250 /32250	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 5
32400 /32400	DEF AT radiolarians	DEF AT 5
32603 /32603	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 723	Date of Summary: 15-NOV-2011	First Sample Examined: 24054
Lease Number: G21813	Source of Paleo: OPERATOR	Borehole MD: 30760
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 29733
API Well Number: 608114056001	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 24054 - 30760	Water Depth: 5040
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details, paleo indicates several repeat sections initiating at 26160

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24054 /24054	DEF AT first sample examined	DEF AT 5
24055 /24055	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
24060 /24060	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24300 /24300	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
24330 /24329	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
24420 /24419	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
24448 /24446	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
24449 /24447	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
24450 /24448	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
24750 /24742	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
24790 /24781	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
25230 /25203	POS AT local marker floral increase	DEF AT 5
25620 /25556	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
25949 /25831	DEF AT local marker floral increase	DEF AT 5
25950 /25832	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26060 /25920	POS AT Lower Miocene (Aquitainian) Sphenolithus dissimilis	DEF AT 5
26160 /25999	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
26210 /26039	DEF AT poor sample interval top	POS AT 5
26640 /26381	DEF AT poor sample interval bottom	DEF AT 5
26670 /26404	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
26979 /26649	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 723	Date of Summary: 15-NOV-2011	First Sample Examined: 24054
Lease Number: G21813	Source of Paleo: OPERATOR	Borehole MD: 30760
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 29733
API Well Number: 608114056001	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 24054 - 30760	Water Depth: 5040
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26980 /26650	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
27290 /26895	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
27680 /27204	DEF AT - - - - -	DEF AT 4
27759 /27267	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
27760 /27267	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 4
28270 /27681	POS AT local marker floral increase	DEF AT 4
28330 /27730	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
28580 /27935	DEF AT Arenaceous fauna (local marker)	DEF AT 4
28700 /28033	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
28960 /28245	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
28990 /28270	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
29350 /28563	DEF AT local marker floral increase	DEF AT 4
29820 /28949	DEF AT local marker floral increase	DEF AT 4
30600 /29599	DEF AT Arenaceous fauna (local marker)	DEF AT 4
30760 /29733	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727	Date of Summary: 17-AUG-2003	First Sample Examined: 19300
Lease Number: G16783	Source of Paleo: OPERATOR	Borehole MD: 31870
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31824
API Well Number: 608114037200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 19300 - 31871	Water Depth: 4672
Public Info Code: Y 27-NOV-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Tonga Prospect, calcareous nannofossil report, nanno species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19300 /19299	DEF AT first sample examined	DEF AT
19301 /19300	DEF IN salt	DEF AT
19600 /19599	DEF AT out-of-place section	DEF AT
19610 /19609	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
19620 /19619	POS AT Lower Oligocene Rupelian Stage	DEF AT
20200 /20199	DEF IN salt	DEF AT
20201 /20200	DEF AT local marker floral decrease	DEF AT
20280 /20279	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
20320 /20319	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
20340 /20339	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
20399 /20398	DEF AT floral flood	DEF AT
20400 /20399	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
20440 /20439	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
20460 /20459	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
20500 /20499	DEF AT out-of-place section	DEF AT
20560 /20558	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
20580 /20578	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
20620 /20618	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
20660 /20658	DEF AT Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF AT
20760 /20758	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20780 /20778	DEF AT out-of-place section	DEF AT
20820 /20818	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727	Date of Summary: 17-AUG-2003	First Sample Examined: 19300
Lease Number: G16783	Source of Paleo: OPERATOR	Borehole MD: 31870
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31824
API Well Number: 608114037200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 19300 - 31871	Water Depth: 4672
Public Info Code: Y 27-NOV-2013	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20840 /20838	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20860 /20858	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
20900 /20898	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
20920 /20918	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
21180 /21178	DEF AT local marker floral decrease	DEF AT
21330 /21328	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21510 /21508	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21540 /21538	DEF AT reworked material	DEF AT
21570 /21568	DEF AT local marker floral decrease	DEF AT
21660 /21658	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21840 /21837	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21960 /21957	DEF AT local marker floral increase	DEF AT
21990 /21987	DEF AT local marker floral decrease	DEF AT
22410 /22407	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22560 /22557	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22580 /22577	DEF AT local marker floral decrease	DEF AT
22770 /22766	DEF AT local marker floral increase	DEF AT
22800 /22796	DEF AT local marker floral decrease	DEF AT
23200 /23196	DEF AT local marker floral increase	DEF AT
23280 /23276	DEF AT local marker floral increase	DEF AT
23400 /23395	DEF AT local marker floral decrease	DEF AT
23490 /23485	DEF AT floral flood	DEF AT
23520 /23515	DEF AT local marker floral decrease	DEF AT
23610 /23605	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727	Date of Summary: 17-AUG-2003	First Sample Examined: 19300
Lease Number: G16783	Source of Paleo: OPERATOR	Borehole MD: 31870
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31824
API Well Number: 608114037200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 19300 - 31871	Water Depth: 4672
Public Info Code: Y 27-NOV-2013	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23640 /23635	DEF AT out-of-place section	DEF AT
23670 /23665	DEF AT floral flood	DEF AT
23850 /23844	DEF AT out-of-place section	DEF AT
23910 /23904	DEF AT local marker floral decrease	DEF AT
24000 /23994	DEF AT out-of-place section	DEF AT
24090 /24084	DEF AT local marker floral decrease	DEF AT
24300 /24293	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
24330 /24323	DEF AT local marker floral decrease	DEF AT
24660 /24652	DEF AT local marker floral increase	DEF AT
24810 /24802	DEF AT local marker floral decrease	DEF AT
24990 /24981	DEF AT local marker floral increase	DEF AT
25080 /25071	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25110 /25101	DEF AT local marker floral decrease	DEF AT
25558 /25548	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25560 /25550	DEF AT local marker floral decrease	DEF AT
25830 /25819	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25980 /25968	DEF AT local marker floral decrease	DEF AT
26010 /25998	DEF AT local marker floral increase	DEF AT
26100 /26088	DEF AT local marker floral decrease	DEF AT
26400 /26387	DEF AT local marker floral increase	DEF AT
26430 /26417	DEF AT local marker floral decrease	DEF AT
26490 /26477	DEF AT local marker floral increase	DEF AT
26550 /26537	DEF AT local marker floral decrease	DEF AT
26670 /26657	DEF IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 727	<b>Date of Summary:</b> 17-AUG-2003	<b>First Sample Examined:</b> 19300
<b>Lease Number:</b> G16783	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31870
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 31824
<b>API Well Number:</b> 608114037200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19300 - 31871	<b>Water Depth:</b> 4672
<b>Public Info Code:</b> Y 27-NOV-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26760 /26746	DEF AT local marker floral decrease	DEF AT
27000 /26986	DEF AT local marker floral increase	DEF AT
27090 /27075	DEF AT local marker floral decrease	DEF AT
27210 /27195	DEF AT reworked material	DEF AT
27270 /27255	DEF AT local marker floral increase	DEF AT
27360 /27345	DEF AT local marker floral decrease	DEF AT
27450 /27434	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27480 /27464	DEF AT local marker floral decrease	DEF AT
27690 /27673	DEF AT local marker floral increase	DEF AT
27720 /27703	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
27750 /27733	DEF AT local marker floral decrease	DEF AT
27870 /27852	DEF AT local marker floral increase	DEF AT
27960 /27942	DEF AT local marker floral decrease	DEF AT
28020 /28001	POS AT Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF AT
28050 /28031	DEF AT local marker floral decrease	DEF AT
28140 /28121	DEF IN Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF AT
28200 /28180	DEF AT local marker floral decrease	DEF AT
28230 /28210	DEF AT local marker floral increase	DEF AT
28260 /28240	DEF AT local marker floral decrease	DEF AT
28500 /28478	DEF AT floral flood	DEF AT
28590 /28568	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
28620 /28598	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
28650 /28628	DEF AT local marker floral decrease	DEF AT
28680 /28657	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727	Date of Summary: 17-AUG-2003	First Sample Examined: 19300
Lease Number: G16783	Source of Paleo: OPERATOR	Borehole MD: 31870
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31824
API Well Number: 608114037200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 19300 - 31871	Water Depth: 4672
Public Info Code: Y 27-NOV-2013	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28830 /28806	DEF AT local marker floral increase	DEF AT
28980 /28955	DEF AT local marker floral decrease	DEF AT
29100 /29075	DEF AT local marker floral increase	DEF AT
29130 /29104	DEF AT local marker floral decrease	DEF AT
29190 /29164	DEF AT Lower Miocene (Aquitani) Cyclicargolithus abisectus	DEF AT
29400 /29373	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
29440 /29412	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
29940 /29908	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
30150 /30117	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
30300 /30266	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
30330 /30296	DEF AT local marker floral increase	DEF AT
30450 /30415	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT
30540 /30504	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
30570 /30534	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
30600 /30564	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
30660 /30623	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
30750 /30713	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
30780 /30743	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
30869 /30831	DEF AT local marker floral decrease	DEF AT
30870 /30832	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
30960 /30921	DEF AT local marker floral increase	DEF AT
31050 /31011	DEF AT floral flood	DEF AT
31170 /31130	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
31200 /31159	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 727	<b>Date of Summary:</b> 17-AUG-2003	<b>First Sample Examined:</b> 19300
<b>Lease Number:</b> G16783	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31870
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 31824
<b>API Well Number:</b> 608114037200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19300 - 31871	<b>Water Depth:</b> 4672
<b>Public Info Code:</b> Y 27-NOV-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31230 /31189	DEF AT local marker floral decrease	DEF AT
31320 /31279	POS AT local marker floral increase	DEF AT
31380 /31338	DEF AT drilling material	DEF AT
31530 /31487	POS AT local marker floral increase	DEF AT
31560 /31516	POS IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
31871 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727	Date of Summary: 01-SEP-2003	First Sample Examined: 19300
Lease Number: G16783	Source of Paleo: OPERATOR	Borehole MD: 31870
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31824
API Well Number: 608114037200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19300 - 32000	Water Depth: 4672
Public Info Code: Y 27-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Tonga Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19300 /19299	DEF AT first sample examined	DEF AT 6
19420 /19419	DEF AT salt stringer	DEF AT 6
19421 /19420	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
19590 /19589	DEF IN Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
19610 /19609	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 6
19650 /19649	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
19680 /19679	DEF AT local marker foram decrease	DEF IN 6
19780 /19779	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
19880 /19879	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
20020 /20019	DEF AT drilling material	DEF IN 6
20100 /20099	DEF AT foram flood	DEF IN 6
20200 /20199	DEF AT salt stringer	DEF IN 6
20201 /20200	DEF AT local marker foram decrease	DEF IN 6
20260 /20259	DEF IN Lower Oligocene	DEF AT 5
20300 /20299	DEF AT radiolarians	DEF AT 5
20320 /20319	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 7
20340 /20339	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 7
20380 /20379	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 7
20420 /20419	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
20560 /20558	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
20620 /20618	POS IN Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 6
20640 /20638	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727	Date of Summary: 01-SEP-2003	First Sample Examined: 19300
Lease Number: G16783	Source of Paleo: OPERATOR	Borehole MD: 31870
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31824
API Well Number: 608114037200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19300 - 32000	Water Depth: 4672
Public Info Code: Y 27-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20660 /20658	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
20680 /20678	DEF AT salt stringer	DEF AT 6
20720 /20718	POS IN Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4
20800 /20798	POS IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
20859 /20857	DEF AT drilling material	DEF AT 4
20860 /20858	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
21180 /21178	DEF AT local marker foram decrease	DEF AT 4
21210 /21208	DEF AT out-of-place section	DEF AT 4
21240 /21238	DEF AT local marker foram decrease	DEF AT 4
21300 /21298	DEF AT pyrite	DEF AT 4
21360 /21358	POS AT Upper (Late) Miocene	DEF AT 4
21420 /21418	DEF AT drilling material	DEF AT 4
21600 /21598	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21660 /21658	DEF AT drilling material	DEF AT 4
21690 /21688	DEF AT local marker planktic foram increase	DEF IN 4
21720 /21718	DEF AT - - - - -	DEF AT 4
21840 /21837	DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21869 /21866	DEF AT shell fragments	DEF AT 4
21870 /21867	DEF AT faunal change (no faunal increase)	DEF AT 4
21900 /21897	DEF AT local marker foram decrease	DEF AT 4
21960 /21957	DEF AT local marker foram increase	DEF AT 4
21990 /21987	DEF AT local marker foram decrease	DEF AT 4
22170 /22167	DEF AT turbid water facies	POS AT 4
22230 /22227	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727  
Lease Number: G16783  
Well Name: 001  
API Well Number: 608114037200  
Paleo Report Num: 2 of 2  
Public Info Code: Y 27-NOV-2013

Date of Summary: 01-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19300 - 32000  
Ecozone Eq MMS: Y

First Sample Examined: 19300  
Borehole MD: 31870  
Borehole TVD: 31824  
Rkb Elevation: 92  
Water Depth: 4672  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 /22317	DEF AT pyrite	DEF AT 4
22350 /22347	DEF AT local marker foram decrease	DEF AT 5
22380 /22377	DEF AT - - - - -	DEF AT 4
22529 /22526	DEF AT local marker planktic foram increase	DEF AT 5
22530 /22527	POS AT condensed section	DEF AT 5
22680 /22677	DEF AT local marker foram decrease	DEF IN 4
22740 /22736	DEF AT local marker foram decrease	DEF IN 4
22770 /22766	DEF AT out-of-place section	DEF IN 4
22950 /22946	DEF AT turbid water facies	DEF IN 4
22980 /22976	DEF AT siltstone	DEF IN 4
23069 /23065	DEF AT pyrite	DEF IN 4
23070 /23066	DEF AT Bathysiphon fauna	DEF IN 4
23130 /23126	DEF AT turbid water facies	DEF IN 4
23340 /23335	DEF AT turbid water facies	DEF IN 4
23489 /23484	DEF AT pyrite	DEF IN 4
23490 /23485	DEF AT local marker foram increase	DEF IN 4
23529 /23524	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
23550 /23545	DEF AT Bathysiphon fauna	DEF IN 4
23640 /23635	DEF AT out-of-place section	DEF AT 5
23641 /23636	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
23669 /23664	DEF AT local marker planktic foram increase	DEF AT 5
23670 /23665	DEF AT foram flood	DEF AT 5
23790 /23784	DEF AT reworked material	DEF AT 5
23909 /23903	DEF AT siltstone	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727  
Lease Number: G16783  
Well Name: 001  
API Well Number: 608114037200  
Paleo Report Num: 2 of 2  
Public Info Code: Y 27-NOV-2013

Date of Summary: 01-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19300 - 32000  
Ecozone Eq MMS: Y

First Sample Examined: 19300  
Borehole MD: 31870  
Borehole TVD: 31824  
Rkb Elevation: 92  
Water Depth: 4672  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23910 /23904	DEF AT turbid water facies	DEF AT 5
23970 /23964	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
24000 /23994	DEF AT turbid water facies	DEF AT 5
24030 /24024	DEF AT local marker foram decrease	DEF AT 5
24120 /24113	DEF AT - - - - -	DEF IN 4
24270 /24263	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
24330 /24323	DEF AT local marker foram decrease	DEF AT 5
24360 /24353	DEF AT - - - - -	DEF IN 4
24630 /24622	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
24690 /24682	DEF AT maximum flooding surface	DEF AT 5
24691 /24683	DEF AT local marker planktic foram increase	DEF AT 5
24692 /24684	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24720 /24712	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24750 /24742	DEF AT local marker foram decrease	DEF AT 5
24780 /24772	DEF AT - - - - -	DEF IN 4
24900 /24891	DEF AT drilling material	DEF IN 4
24960 /24951	DEF AT turbid water facies	DEF IN 4
25170 /25161	DEF AT local marker planktic foram increase	DEF IN 4
25230 /25221	DEF AT Bathysiphon fauna	DEF IN 4
25260 /25250	DEF AT turbid water facies	DEF IN 4
25290 /25280	DEF AT local marker foram decrease	DEF IN 4
25320 /25310	DEF AT Arenaceous fauna (local marker)	DEF IN 4
25409 /25399	POS AT pyrite	DEF IN 4
25410 /25400	DEF AT siltstone	DEF IN 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727	Date of Summary: 01-SEP-2003	First Sample Examined: 19300
Lease Number: G16783	Source of Paleo: OPERATOR	Borehole MD: 31870
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31824
API Well Number: 608114037200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19300 - 32000	Water Depth: 4672
Public Info Code: Y 27-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25648 /25637	DEF AT pyrite	DEF IN 4
25649 /25638	DEF AT siltstone	DEF IN 4
25650 /25639	DEF AT turbid water facies	DEF IN 4
25770 /25759	DEF AT turbid water facies	DEF IN 4
25800 /25789	DEF AT local marker foram increase	DEF IN 4
25890 /25879	DEF AT faunal change (no faunal increase)	DEF AT 5
25949 /25937	DEF AT local marker planktic foram increase	DEF AT 5
25950 /25938	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
26010 /25998	DEF AT local marker foram increase	DEF AT 5
26040 /26028	DEF AT siltstone	DEF AT 5
26069 /26057	DEF AT pyrite	DEF AT 5
26070 /26058	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
26100 /26088	DEF AT turbid water facies	DEF AT 5
26130 /26118	DEF AT Bathysiphon fauna	DEF AT 5
26340 /26327	DEF AT local marker foram increase	DEF IN 4
26370 /26357	DEF AT turbid water facies	DEF IN 4
26430 /26417	DEF AT pyrite	DEF IN 4
26490 /26477	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
26670 /26657	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
26700 /26687	DEF AT foram flood	DEF AT 5
26730 /26717	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
26759 /26745	DEF AT pyrite	DEF AT 4
26760 /26746	DEF AT Bathysiphon fauna	DEF AT 4
26761 /26747	DEF AT local marker foram decrease	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 727	<b>Date of Summary:</b> 01-SEP-2003	<b>First Sample Examined:</b> 19300
<b>Lease Number:</b> G16783	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31870
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 31824
<b>API Well Number:</b> 608114037200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19300 - 32000	<b>Water Depth:</b> 4672
<b>Public Info Code:</b> Y 27-NOV-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27000 /26986	DEF AT local marker foram increase	DEF AT 4
27120 /27105	DEF AT local marker foram increase	DEF AT 4
27209 /27194	DEF AT siltstone	DEF AT 4
27210 /27195	DEF AT local marker foram decrease	DEF AT 4
27270 /27255	DEF AT Bathysiphon fauna	DEF AT 4
27360 /27345	DEF AT Bathysiphon fauna	DEF AT 4
27420 /27404	DEF AT siltstone	DEF AT 4
27630 /27613	DEF AT Bathysiphon fauna	DEF AT 4
27720 /27703	DEF AT local marker planktic foram increase	DEF AT 4
27749 /27732	DEF AT pyrite	DEF AT 4
27750 /27733	DEF AT Bathysiphon fauna	DEF AT 4
28230 /28210	DEF AT local marker foram increase	DEF AT 4
28259 /28239	DEF AT limestone	DEF AT 4
28260 /28240	DEF AT local marker foram decrease	DEF AT 4
28440 /28419	POS AT Arenaceous fauna (local marker)	DEF AT 4
28470 /28449	DEF AT Arenaceous fauna (local marker)	DEF AT 4
28500 /28478	DEF AT local marker planktic foram increase	DEF AT 4
28530 /28508	DEF AT Arenaceous fauna (local marker)	DEF AT 4
28590 /28568	DEF AT Bathysiphon fauna	DEF AT 4
28740 /28717	DEF AT Arenaceous fauna (local marker)	DEF AT 4
28800 /28777	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
28890 /28866	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
28950 /28926	DEF AT local marker foram decrease	DEF AT 4
29160 /29134	DEF AT Arenaceous fauna (local marker)	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727	Date of Summary: 01-SEP-2003	First Sample Examined: 19300
Lease Number: G16783	Source of Paleo: OPERATOR	Borehole MD: 31870
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31824
API Well Number: 608114037200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19300 - 32000	Water Depth: 4672
Public Info Code: Y 27-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29220 /29194	DEF AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 4
29250 /29224	DEF IN Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 4
29370 /29343	DEF AT local marker foram decrease	DEF AT 4
29400 /29373	DEF AT local marker foram increase	DEF AT 4
29440 /29412	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 4
29459 /29431	DEF AT limestone	DEF AT 5
29460 /29432	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
29550 /29521	DEF AT local marker planktic foram increase	DEF AT 5
29640 /29611	DEF AT foram flood	DEF AT 5
29700 /29670	DEF AT limestone	DEF AT 5
29970 /29938	DEF AT Arenaceous fauna (local marker)	DEF AT 5
30030 /29998	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
30330 /30296	DEF AT foram flood	DEF AT 5
30480 /30445	DEF AT local marker foram decrease	DEF AT 5
30540 /30504	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
30630 /30594	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
30660 /30623	DEF AT foram flood	DEF AT 5
30661 /30624	DEF IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
30719 /30682	DEF AT radiolarians	POS AT 5
30720 /30683	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	POS AT 5
30780 /30743	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	POS AT 5
30840 /30802	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	POS AT 5
30869 /30831	DEF AT radiolarians	POS AT 5
30870 /30832	DEF IN Middle Eocene (Bartonian) Acarinina broedermanni	POS AT 5

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 727  
Lease Number: G16783  
Well Name: 001  
API Well Number: 608114037200  
Paleo Report Num: 2 of 2  
Public Info Code: Y 27-NOV-2013

Date of Summary: 01-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 19300 - 32000  
Ecozone Eq MMS: Y

First Sample Examined: 19300  
Borehole MD: 31870  
Borehole TVD: 31824  
Rkb Elevation: 92  
Water Depth: 4672  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30899 /30861	DEF AT radiolarians	POS AT 5
30900 /30862	DEF AT local marker foram decrease	POS AT 5
30930 /30892	DEF AT radiolarians	DEF IN 5
30960 /30921	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN 5
31055 /31016	DEF AT reworked material	POS IN 5
31056 /31017	DEF AT radiolarians	POS IN 5
31140 /31100	DEF AT radiolarians	DEF IN 5
31170 /31130	DEF AT radiolarians	DEF IN 5
31200 /31159	DEF AT - - - - -	DEF AT 5
31230 /31189	DEF AT local marker foram decrease	POS AT 5
31320 /31279	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	POS AT 5
31380 /31338	DEF AT local marker foram decrease	POS AT 5
31500 /31457	DEF AT local marker foram increase	POS AT 5
31560 /31516	DEF AT local marker foram decrease	POS AT 5
31650 /31606	DEF AT Bathysiphon fauna	POS AT 5
31710 /31665	DEF AT local marker foram decrease	POS AT 5
32000 /	DEF AT last sample examined	POS AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 01-FEB-2002	First Sample Examined: 15700
Lease Number: G16778	Source of Paleo: OPERATOR	Borehole MD: 22270
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19656
API Well Number: 608114030503	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15700 - 21610	Water Depth: 4461
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, the Middle Miocene section at the bottom of the well is probably salt-related

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15700 /15323	DEF AT first sample examined	DEF AT
15701 /15324	DEF IN out-of-place section	DEF AT
16060 /15545	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16090 /15564	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16300 /15693	DEF AT reworked material	DEF AT
16720 /15953	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16810 /16009	DEF AT sample gap top	DEF AT
17020 /16138	DEF AT sample gap bottom	DEF AT
17740 /16582	DEF AT reworked material	DEF AT
17860 /16656	DEF AT local marker floral increase	DEF AT
17920 /16693	DEF AT reworked material	DEF AT
18400 /16990	DEF AT reworked material	DEF AT
18940 /17331	DEF AT reworked material	DEF AT
19330 /17578	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19540 /17712	DEF AT local marker floral increase	DEF AT
19600 /17751	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19660 /17789	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19720 /17828	DEF AT local marker floral increase	DEF AT
20050 /18037	DEF AT reworked material	DEF AT
20080 /18056	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20260 /18174	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20470 /18316	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730  
Lease Number: G16778  
Well Name: 001  
API Well Number: 608114030503  
Paleo Report Num: 1 of 2  
Public Info Code: Y 31-AUG-2006

Date of Summary: 01-FEB-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: CONOCO INC  
Sample Range: 15700 - 21610  
Ecozone Eq MMS:

First Sample Examined: 15700  
Borehole MD: 22270  
Borehole TVD: 19656  
Rkb Elevation: 75  
Water Depth: 4461  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20680 /18465	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20950 /18662	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21070 /18751	DEF AT sample gap top	DEF AT
21250 /18886	DEF AT sample gap bottom	DEF AT
21370 /18979	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21430 /19026	DEF IN Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
21490 /19073	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21520 /19096	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21550 /19120	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
21610 /19166	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 20-APR-2002	First Sample Examined: 15970
Lease Number: G16778	Source of Paleo: OPERATOR	Borehole MD: 22270
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19656
API Well Number: 608114030503	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15970 - 20830	Water Depth: 4461
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15970 /15490	DEF AT first sample examined	DEF AT
15971 /15491	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
16059 /15545	DEF AT local marker floral increase	DEF AT
16060 /15545	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
16089 /15563	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
16090 /15564	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
16180 /15619	POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16210 /15637	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
16720 /15953	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19510 /17693	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
19600 /17751	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
20680 /18465	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20800 /18552	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
20830 /18574	DEF AT last sample examined	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 7560
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 11519
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11518
API Well Number: 608114030500	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 7560 - 11519	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7560 / 7560	DEF AT first sample examined	DEF AT
7561 / 7561	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7800 / 7800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8520 / 8520	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8760 / 8760	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9000 / 9000	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9120 / 9120	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9240 / 9240	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10080 /10079	DEF AT salt	DEF AT
11519 /11518	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 7560
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 11519
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11518
API Well Number: 608114030500	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 7560 - 11519	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7560 / 7560	DEF AT first sample examined	DEF AT 5
7561 / 7561	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7680 / 7680	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7800 / 7800	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8280 / 8280	DEF AT -----	DEF IN 5
8520 / 8520	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscons (acme "B")	DEF AT 6
8750 / 8750	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 6
9000 / 9000	DEF AT -----	DEF IN 5
9120 / 9120	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9359 / 9359	POS AT gouge	DEF IN 5
9360 / 9360	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
9703 / 9703	DEF AT -----	DEF IN 4
10080 /10079	DEF AT salt	DEF AT
11400 /11399	DEF IN salt	DEF AT
11519 /11518	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15240 - 23862	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15240 /15238	DEF AT first sample examined	DEF AT
15241 /15239	DEF AT base of salt	DEF AT
15242 /15240	DEF AT out-of-place section	DEF AT
15330 /15328	POS AT Upper Miocene (Messinian) Discoaster quinquerus	DEF AT
15480 /15477	DEF AT sample gap top	DEF AT
15629 /15626	DEF AT sample gap bottom	DEF AT
15630 /15627	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15870 /15867	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
15900 /15897	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16080 /16077	DEF AT reworked material	DEF AT
16350 /16347	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17130 /17126	DEF AT reworked material	DEF AT
17160 /17156	DEF AT local marker floral increase	DEF AT
17310 /17306	DEF AT reworked material	DEF AT
17370 /17365	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18050 /18022	DEF AT reworked material	DEF AT
18140 /18106	DEF AT reworked material	DEF AT
18290 /18245	DEF AT local marker floral increase	DEF AT
19010 /18872	DEF AT reworked material	DEF AT
19040 /18897	DEF AT reworked material	DEF AT
19100 /18948	DEF AT reworked material	DEF AT
19130 /18974	DEF AT reworked material	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15240 - 23862	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19190 /19024	DEF AT reworked material	DEF AT
19580 /19350	DEF AT reworked material	DEF AT
19640 /19400	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
19760 /19499	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20000 /19697	DEF AT local marker floral increase	DEF AT
20330 /19967	DEF AT reworked material	DEF AT
20480 /20091	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20960 /20485	DEF AT local marker floral increase	DEF AT
21890 /21252	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22610 /21853	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
22820 /22032	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22910 /22110	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22970 /22161	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
23449 /22571	POS AT reworked material	DEF AT
23450 /22572	POS IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
23862 /22928	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15240 - 23869	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15240 /15238	DEF AT first sample examined	DEF AT 5
15241 /15239	POS AT base of salt	DEF AT 5
15242 /15240	DEF AT reworked material	DEF AT 5
15420 /15417	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15480 /15477	DEF AT sample gap top	POS AT 5
15630 /15627	DEF AT sample gap bottom	DEF AT 5
15780 /15777	DEF AT local marker foram increase	DEF AT 6
15810 /15807	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
15870 /15867	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
16050 /16047	DEF AT pyrite	DEF AT 6
16080 /16077	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
16350 /16347	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
16530 /16527	DEF AT local marker foram decrease	DEF IN 4
16710 /16706	DEF AT -----	DEF AT 5
17280 /17276	DEF AT -----	DEF IN 4
17480 /17474	DEF AT -----	POS IN 4
18080 /18050	DEF AT -----	DEF IN 4
18260 /18218	DEF AT -----	DEF AT 5
18380 /18327	DEF AT -----	DEF IN 4
18560 /18488	DEF AT -----	POS IN 4
18980 /18846	DEF AT -----	DEF AT 5
19040 /18897	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15240 - 23869	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19220 /19050	DEF AT -----	POS AT 5
19340 /19150	DEF AT -----	DEF AT 5
19490 /19275	POS AT local marker foram increase	DEF AT 5
19580 /19350	DEF AT local marker planktic foram increase	DEF IN 5
19760 /19499	DEF AT local marker benthic foram increase	DEF IN 5
20090 /19771	DEF AT Arenaceous fauna (local marker)	DEF IN 4
20390 /20016	DEF AT -----	DEF AT 4
20570 /20165	DEF AT -----	POS AT 4
20810 /20362	DEF AT -----	DEF AT 5
20870 /20411	DEF AT pyrite	DEF AT 5
20990 /20510	DEF AT Arenaceous fauna (local marker)	DEF AT 5
21020 /20535	DEF AT local marker foram increase	DEF AT 6
21170 /20658	DEF AT -----	DEF AT 4
21410 /20856	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21470 /20905	DEF AT -----	DEF AT 5
21590 /21004	DEF AT -----	POS AT 4
21770 /21153	DEF AT -----	DEF AT 5
21860 /21227	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 6
21890 /21252	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF IN 6
21950 /21302	DEF AT -----	DEF AT 5
22370 /21650	DEF AT -----	DEF IN 4
22610 /21853	DEF AT -----	DEF AT 5
23030 /22212	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
23090 /22264	DEF AT -----	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 730	<b>Date of Summary:</b> 01-MAR-2002	<b>First Sample Examined:</b> 15240
<b>Lease Number:</b> G20088	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23862
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 22928
<b>API Well Number:</b> 608114030501	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15240 - 23869	<b>Water Depth:</b> 4461
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23450 /22572	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23690 /22779	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
23720 /22805	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 4
23750 /22831	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23825 /22896	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23869 /	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 23870
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 28645
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27167
API Well Number: 608114030502	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 23870 - 28630	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23870 /22930	DEF AT first sample examined	DEF IN 4
23930 /22980	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
23980 /23022	DEF AT Bathysiphon fauna	DEF IN 4
24160 /23171	DEF AT -----	DEF AT 4
24430 /23395	DEF AT -----	DEF IN 4
24580 /23521	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
24700 /23623	DEF AT -----	DEF AT 4
25120 /23986	DEF AT local marker foram increase	DEF AT 5
25180 /24039	DEF AT transported shelf fauna	DEF AT 5
25210 /24065	DEF AT -----	DEF AT 4
25720 /24514	DEF AT Bathysiphon fauna	DEF AT 4
25810 /24593	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
26050 /24807	DEF AT reworked material	DEF AT 4
26230 /24969	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
26349 /25076	DEF AT Arenaceous fauna (local marker)	DEF IN 4
26350 /25077	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
26410 /25130	DEF AT transported shelf fauna	DEF IN 4
26589 /25291	DEF AT Arenaceous fauna (local marker)	DEF IN 4
26590 /25292	DEF AT local marker planktic foram increase	DEF IN 4
26770 /25452	DEF AT -----	DEF AT 4
27550 /26152	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
27639 /26233	DEF AT condensed section	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 730	<b>Date of Summary:</b> 01-MAR-2002	<b>First Sample Examined:</b> 23870
<b>Lease Number:</b> G20088	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28645
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27167
<b>API Well Number:</b> 608114030502	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 23870 - 28630	<b>Water Depth:</b> 4461
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27640 /26234	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
27790 /26371	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
27940 /26508	DEF AT local marker planktic foram increase	DEF AT 5
28120 /26674	DEF AT - - - - -	DEF AT 4
28330 /26870	DEF AT transported shelf fauna	DEF AT 4
28390 /26926	DEF AT transported shelf fauna	DEF AT 4
28630 /27153	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 732	Date of Summary: 23-FEB-2007	First Sample Examined: 6030
Lease Number: G18431	Source of Paleo: OPERATOR	Borehole MD: 7500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7499
API Well Number: 608114048900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6030 - 7500	Water Depth: 4315
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6030	DEF AT first sample examined	DEF AT 4
6090 / 6090	DEF AT out-of-place section	DEF AT 4
6419 / 6418	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
6420 / 6419	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
6990 / 6989	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
7500 / 7499	DEF AT last sample examined	DEF IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 733	Date of Summary: 08-OCT-2014	First Sample Examined: 6860
Lease Number: G35004	Source of Paleo: OPERATOR	Borehole MD: 13577
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13155
API Well Number: 608114063000	Drilling Operator: FREEPORT MCMORAN OIL & GAS LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 6860 - 13577	Water Depth: 4463
Public Info Code: Y 16-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6860 / 6860	DEF AT first sample examined	DEF IN 5
6861 / 6861	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 5
7519 / 7518	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
7520 / 7519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
7610 / 7609	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
7940 / 7936	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
9260 / 9182	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
10370 /10276	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
10399 /10305	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
10400 /10306	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
10459 /10364	DEF AT condensed section	DEF IN 5
10460 /10365	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
10550 /10455	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
10579 /10484	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
10580 /10485	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10817 /10719	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
10818 /10720	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10819 /10721	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10820 /10721	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10849 /10750	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
10850 /10751	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
10880 /10780	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 733	Date of Summary: 08-OCT-2014	First Sample Examined: 6860
Lease Number: G35004	Source of Paleo: OPERATOR	Borehole MD: 13577
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13155
API Well Number: 608114063000	Drilling Operator: FREEPORT MCMORAN OIL & GAS LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 6860 - 13577	Water Depth: 4463
Public Info Code: Y 16-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10910 /10809	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
10999 /10895	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
11000 /10896	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11030 /10924	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
11060 /10953	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
11120 /11010	DEF AT local marker floral increase	DEF IN 5
11159 /11046	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
11160 /11047	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
11249 /11130	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 5
11250 /11131	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
11850 /11662	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
12480 /12206	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
12959 /12620	POS AT salt	DEF IN 5
12960 /12620	DEF AT local marker floral increase	DEF IN 5
13080 /12724	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
13139 /12775	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5
13140 /12776	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
13170 /12802	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF IN 5
13290 /12906	POS IN Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
13380 /12984	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
13577 /13156	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 733	Date of Summary: 24-OCT-2014	First Sample Examined: 7032
Lease Number: G35004	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11000
API Well Number: 608114063700	Drilling Operator: FREEPORT MCMORAN OIL & GAS LLC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 7032 - 11000	Water Depth: 4502
Public Info Code: Y 16-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7032 / 7032	DEF AT first sample examined	DEF IN 5
7600 / 7600	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
7690 / 7690	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
7720 / 7720	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
8230 / 8230	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
10180 /10180	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
10778 /10778	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
10779 /10779	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF IN 5
10780 /10780	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
11000 /11000	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 735	Date of Summary: 25-APR-2003	First Sample Examined: 10230
Lease Number: G22989	Source of Paleo: OPERATOR	Borehole MD: 21655
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21652
API Well Number: 608114036700	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 10230 - 21655	Water Depth: 4515
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
10230 /10230	DEF AT first sample examined	DEF IN 5
10290 /10290	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
10740 /10740	DEF AT -----	DEF AT 5
11910 /11910	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
12000 /12000	DEF AT -----	DEF AT 5
12750 /12749	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
13080 /13079	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13140 /13139	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
13530 /13529	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13560 /13559	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13590 /13589	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13650 /13649	DEF AT -----	DEF IN 5
13710 /13709	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
13830 /13829	DEF AT -----	DEF AT 5
14160 /14159	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
18280 /18279	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
19360 /19358	DEF AT -----	DEF IN 5
19480 /19478	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
19540 /19538	DEF AT -----	DEF AT 5
19810 /19808	DEF AT -----	DEF IN 5
19960 /19958	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
19990 /19988	DEF AT -----	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 735	<b>Date of Summary:</b> 25-APR-2003	<b>First Sample Examined:</b> 10230
<b>Lease Number:</b> G22989	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21655
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21652
<b>API Well Number:</b> 608114036700	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10230 - 21655	<b>Water Depth:</b> 4515
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20380 /20378	DEF AT - - - - -	DEF IN 5
20710 /20708	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
21250 /21247	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21520 /21517	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
21655 /21652	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 735	Date of Summary: 25-APR-2003	First Sample Examined: 10630
Lease Number: G22989	Source of Paleo: OPERATOR	Borehole MD: 21655
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21652
API Well Number: 608114036700	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 10230 - 21655	Water Depth: 4515
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
10230 /10230	DEF AT first sample examined	DEF AT
10231 /10231	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11910 /11910	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12690 /12689	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13050 /13049	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
13110 /13109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13470 /13469	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13620 /13619	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13770 /13769	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13800 /13799	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14130 /14129	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14790 /14789	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18220 /18219	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19120 /19118	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19300 /19298	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
19450 /19448	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19960 /19958	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19990 /19988	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
20230 /20228	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20410 /20408	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20650 /20648	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21070 /21068	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 735	<b>Date of Summary:</b> 25-APR-2003	<b>First Sample Examined:</b> 10630
<b>Lease Number:</b> G22989	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21655
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21652
<b>API Well Number:</b> 608114036700	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10230 - 21655	<b>Water Depth:</b> 4515
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21280 /21277	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21655 /21652	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 737	<b>Date of Summary:</b> 03-OCT-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21224	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11940
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11924
<b>API Well Number:</b> 608114028200	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 63
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 4415
<b>Public Info Code:</b> Y 30-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6800 / 6800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9500 / 9492	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9620 / 9611	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9740 / 9730	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9799 / 9789	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9800 / 9790	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
10039 /10028	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10040 /10029	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10099 /10088	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10100 /10089	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
10151 /10140	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10152 /10141	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10160 /10149	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 03-SEP-2011	First Sample Examined: 17220
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 23305
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22948
API Well Number: 608114058000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 17220 - 23305	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Mad Dog North Prospect, paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17220 /17220	DEF AT first sample examined	DEF AT 5
17221 /17221	DEF IN out-of-place section	DEF AT 5
17340 /17340	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17580 /17580	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
18120 /18120	DEF AT charophytes	DEF AT 5
18300 /18300	POS AT transported shelf fauna	POS AT 5
18540 /18540	POS AT transported shelf fauna	POS AT 5
18840 /18840	DEF AT - - - - -	DEF AT 4
19530 /19528	DEF AT faunal change (no faunal increase)	DEF AT 3
19740 /19736	DEF AT Bathysiphon fauna	DEF AT 3
19860 /19854	DEF AT - - - - -	DEF AT 5
19980 /19972	DEF AT Arenaceous fauna (local marker)	POS AT 5
20340 /20322	DEF AT Arenaceous fauna (local marker)	POS AT 5
20370 /20351	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
20430 /20409	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
20640 /20610	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
20820 /20779	DEF AT - - - - -	DEF AT 4
21209 /21130	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21210 /21131	POS AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
21270 /21184	DEF AT local marker foram increase	DEF AT 5
21390 /21288	DEF AT local marker foram increase	DEF AT 5
21420 /21314	DEF AT Bathysiphon fauna	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 738	<b>Date of Summary:</b> 03-SEP-2011	<b>First Sample Examined:</b> 17220
<b>Lease Number:</b> G16786	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23305
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22948
<b>API Well Number:</b> 608114058000	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17220 - 23305	<b>Water Depth:</b> 4475
<b>Public Info Code:</b> Y 21-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21480 /21366	DEF AT charophytes	DEF AT 5
21570 /21444	DEF AT Bathysiphon fauna	DEF AT 5
21600 /21470	DEF AT -----	DEF AT 4
21840 /21678	DEF AT -----	DEF AT 5
21870 /21704	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22020 /21834	DEF AT -----	DEF AT 4
22080 /21886	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
22230 /22016	DEF AT Bathysiphon fauna	DEF AT 4
22290 /22068	DEF AT local marker foram increase	DEF AT 4
22380 /22146	DEF AT -----	DEF AT 5
22440 /22198	DEF AT Bathysiphon fauna	POS AT 5
22500 /22250	DEF AT -----	DEF AT 4
22530 /22276	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
22590 /22328	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
22650 /22380	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
22680 /22406	DEF AT -----	DEF AT 5
22710 /22432	DEF AT -----	DEF AT 4
22920 /22614	DEF AT local marker foram increase	DEF AT 4
22950 /22640	DEF AT -----	DEF AT 5
23130 /22796	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23220 /22874	POS AT transported shelf fauna	POS AT 5
23305 /22948	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 738	<b>Date of Summary:</b> 27-OCT-2011	<b>First Sample Examined:</b> 22740
<b>Lease Number:</b> G16786	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23316
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22999
<b>API Well Number:</b> 608114058001	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22740 - 23192	<b>Water Depth:</b> 4475
<b>Public Info Code:</b> Y 21-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Mad Dog North Prospect, core sample analyses, paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22740 /22490	DEF AT first sample examined	DEF AT
22741 /22490	DEF IN local marker foram decrease	DEF AT
22793 /22536	POS AT Arenaceous fauna (local marker)	DEF AT
22814 /22554	DEF AT local marker foram decrease	DEF AT
22829 /22567	POS AT Arenaceous fauna (local marker)	DEF AT
22840 /22577	DEF AT local marker planktic foram increase	DEF AT
22855 /22590	DEF AT local marker foram decrease	DEF AT
22937 /22662	POS AT Arenaceous fauna (local marker)	DEF AT
22949 /22672	DEF AT Bathysiphon fauna	DEF AT
22978 /22698	POS AT local marker planktic foram increase	DEF AT
22981 /22701	DEF AT local marker foram decrease	DEF AT
23159 /22858	POS AT Arenaceous fauna (local marker)	DEF AT
23192 /22888	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 738	<b>Date of Summary:</b> 21-NOV-2011	<b>First Sample Examined:</b> 22737
<b>Lease Number:</b> G16786	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23316
<b>Well Name:</b> 001	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 22999
<b>API Well Number:</b> 608114058001	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22737 - 23192	<b>Water Depth:</b> 4475
<b>Public Info Code:</b> Y 21-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Mad Dog North Prospect, calcareous nannofossil report of Mark Jiang reviewed by Jason Crux (BHPBillton), nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22737 /22487	DEF AT first sample examined	DEF AT
22773 /22518	POS IN Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
22805 /22546	DEF IN Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
22849 /22585	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
22882 /22614	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
22981 /22701	DEF AT local marker floral decrease	DEF AT
23163 /22862	DEF AT local marker floral increase	DEF AT
23190 /22886	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23192 /22888	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 738	<b>Date of Summary:</b> 26-SEP-2011	<b>First Sample Examined:</b> 19260
<b>Lease Number:</b> G16786	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21300
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21204
<b>API Well Number:</b> 608114058002	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19260 - 21226	<b>Water Depth:</b> 4475
<b>Public Info Code:</b> Y 21-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Mad Dog North Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19260 /19260	DEF AT first sample examined	DEF AT
19290 /19290	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20070 /20066	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
21266 /21175	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 09-OCT-2011	First Sample Examined: 19410
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 20255
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 20253
API Well Number: 608114058003	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 19410 - 20220	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS:	Paleo ID: 001

Remark: Mad Dog North Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19410 /19410	DEF AT first sample examined	DEF AT
19500 /19500	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19560 /19560	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
19590 /19590	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19620 /19620	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19710 /19710	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20010 /20010	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
20070 /20069	DEF AT local marker floral increase	DEF AT
20100 /20099	DEF AT local marker floral increase	DEF AT
20220 /20219	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 14-NOV-2011	First Sample Examined: 19200
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 26130
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24263
API Well Number: 608114058004	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 19200 - 26130	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Mad Dog North Prospect, paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19200 /19200	DEF AT first sample examined	POS AT 4
19350 /19349	DEF AT - - - - -	DEF AT 4
19740 /19735	DEF AT local marker foram increase	DEF AT 4
19950 /19941	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20310 /20292	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20368 /20349	DEF AT condensed section	DEF AT 4
20369 /20350	POS IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
20370 /20351	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
20400 /20380	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
20430 /20410	DEF AT - - - - -	DEF AT 4
20460 /20439	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
20700 /20675	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20820 /20794	DEF AT local marker foram increase	DEF AT 4
21210 /21183	DEF AT Cyclammia sp. (local marker)	DEF AT 5
21240 /21213	DEF AT - - - - -	DEF AT 4
21600 /21561	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21840 /21787	DEF AT local marker foram increase	DEF AT 5
22020 /21951	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22140 /22056	DEF AT local marker foram increase	DEF AT 5
22290 /22183	DEF AT - - - - -	DEF AT 4
22410 /22280	DEF AT Bathysiphon fauna	DEF AT 4
22680 /22476	DEF AT Bathysiphon fauna	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 14-NOV-2011	First Sample Examined: 19200
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 26130
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24263
API Well Number: 608114058004	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 19200 - 26130	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22710 /22495	DEF AT local marker foram increase	DEF AT 4
22980 /22653	DEF AT -----	DEF AT 5
23040 /22684	DEF AT local marker foram increase	DEF AT 5
23190 /22758	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
23340 /22833	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
23550 /22938	DEF AT -----	DEF AT 4
23580 /22953	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
23790 /23059	DEF AT -----	DEF AT 4
24360 /23345	DEF AT local marker foram increase	DEF AT 5
24390 /23360	DEF AT -----	DEF AT 4
25080 /23706	DEF AT local marker foram increase	DEF AT 5
25140 /23736	DEF AT -----	DEF AT 4
25860 /24102	DEF AT local marker foram increase	DEF AT 4
25950 /24154	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26130 /24263	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 738	<b>Date of Summary:</b> 27-DEC-2011	<b>First Sample Examined:</b> 19200
<b>Lease Number:</b> G16786	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26130
<b>Well Name:</b> 001	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 24263
<b>API Well Number:</b> 608114058004	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19200 - 26130	<b>Water Depth:</b> 4475
<b>Public Info Code:</b> Y 21-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Mad Dog North Prospect, calcareous nanofossil report done by Mark Jiang and Ellington & Associates, slump 1 from 24360' to 24810', slump 2 from 24960' to 25380', slump 3 (thin) from 25500' to 25530', nanofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19200 /19200	DEF AT first sample examined	DEF AT
19290 /19290	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
19380 /19379	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19410 /19409	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
19680 /19676	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19830 /19824	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
20010 /20000	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
20160 /20146	POS AT sequence boundary	DEF AT
20580 /20557	DEF AT local marker floral increase	DEF AT
21090 /21064	POS AT sequence boundary	DEF AT
21180 /21154	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21240 /21213	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21840 /21787	POS AT sequence boundary	DEF AT
21960 /21897	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22169 /22081	POS AT sequence boundary	DEF AT
22170 /22082	DEF AT local marker floral increase	DEF AT
23010 /22668	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23069 /22698	POS AT sequence boundary	DEF AT
23070 /22699	POS AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23700 /23014	DEF AT floral flood	DEF AT
23790 /23059	DEF AT reworked material	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738  
Lease Number: G16786  
Well Name: 001  
API Well Number: 608114058004  
Paleo Report Num: 2 of 2  
Public Info Code: Y 21-APR-2015

Date of Summary: 27-DEC-2011  
Source of Paleo: OPERATOR  
Paleo Done By: MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 19200 - 26130  
Ecozone Eq MMS:

First Sample Examined: 19200  
Borehole MD: 26130  
Borehole TVD: 24263  
Rkb Elevation: 85  
Water Depth: 4475  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24330 /23330	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
24360 /23345	DEF AT out-of-place section	DEF AT
24569 /23449	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
24570 /23450	DEF IN Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
24840 /23585	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24960 /23646	DEF AT out-of-place section	DEF AT
25500 /23917	DEF AT out-of-place section	DEF AT
25530 /23933	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25590 /23963	DEF AT local marker floral increase	DEF AT
25859 /24102	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
25860 /24102	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
26130 /24263	DEF AT last sample examined	DEF AT

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 10-DEC-2011	First Sample Examined: 21910
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 23820
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23508
API Well Number: 608114058005	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 21910 - 23820	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Mad Dog North Prospect, paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21910 /21851	DEF AT first sample examined	DEF AT 4
21940 /21879	DEF AT reworked material	DEF AT 4
22120 /22044	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 5
22210 /22126	DEF AT - - - - -	DEF AT 4
22330 /22233	DEF AT Bathysiphon fauna	DEF AT 4
22510 /22391	DEF AT Bathysiphon fauna	DEF AT 4
22540 /22417	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
22570 /22443	DEF AT - - - - -	DEF AT 4
22720 /22572	DEF AT local marker foram increase	DEF AT 4
22780 /22624	DEF AT - - - - -	DEF AT 5
22840 /22675	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
22960 /22778	DEF AT - - - - -	DEF AT 4
23080 /22881	DEF AT local marker foram increase	DEF AT 4
23750 /23450	POS AT transported shelf fauna	POS AT 4
23820 /23508	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 31-DEC-2011	First Sample Examined: 21910
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 23820
Well Name: 001	Paleo Done By: MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	Borehole TVD: 23508
API Well Number: 608114058005	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 21910 - 23820	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Mad Dog North Prospect, calcareous nannofossil report of Mark Jiang reviewed by Jason Crux (BHPBillton), nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21910 /21851	DEF AT first sample examined	DEF AT
21911 /21852	POS IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21970 /21907	POS IN Middle Miocene (Langhian) Discoaster calculosus	DEF AT
22180 /22098	POS AT sequence boundary	DEF AT
22719 /22571	POS AT sequence boundary	DEF AT
22720 /22572	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
22840 /22675	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
23140 /22933	POS AT reworked material	DEF AT
23410 /23164	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23690 /23400	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23780 /23474	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
23810 /23499	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
23820 /23508	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 24-JAN-2012	First Sample Examined: 17440
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 25182
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22673
API Well Number: 608114058006	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 17440 - 25182	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Mad Dog North Prospect, paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17440 /17229	DEF AT first sample examined	POS AT 5
17470 /17254	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17740 /17482	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
17920 /17630	DEF AT -----	DEF AT 4
18310 /17946	DEF AT -----	DEF AT 5
18790 /18316	DEF AT local marker foram increase	DEF AT 5
19030 /18492	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
19330 /18707	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
19530 /18849	DEF AT -----	DEF AT 4
19680 /18955	DEF AT -----	DEF AT 5
20040 /19205	DEF AT -----	DEF AT 4
20070 /19226	DEF AT -----	DEF AT 5
20100 /19246	DEF AT -----	DEF AT 4
20160 /19287	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20490 /19511	DEF AT local marker foram increase	DEF AT 4
20610 /19592	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
20670 /19632	DEF AT -----	DEF AT 4
20820 /19733	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21056 /19891	DEF AT condensed section	DEF AT 5
21057 /19891	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21058 /19892	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
21059 /19893	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738  
Lease Number: G16786  
Well Name: 001  
API Well Number: 608114058006  
Paleo Report Num: 1 of 2  
Public Info Code: Y 21-APR-2015

Date of Summary: 24-JAN-2012  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 17440 - 25182  
Ecozone Eq MMS: Y

First Sample Examined: 17440  
Borehole MD: 25182  
Borehole TVD: 22673  
Rkb Elevation: 85  
Water Depth: 4475  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21060 /19893	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
21150 /19954	DEF AT Arenaceous fauna (local marker)	DEF AT 5
21210 /19994	DEF AT local marker foram increase	DEF AT 5
21510 /20194	DEF AT Cyclammina sp. (local marker)	DEF AT 5
21780 /20375	DEF AT - - - - -	DEF AT 4
21930 /20476	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22140 /20616	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
22310 /20730	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
22320 /20737	DEF AT - - - - -	DEF AT 4
22860 /21099	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22950 /21160	DEF AT - - - - -	DEF AT 5
23010 /21200	DEF AT - - - - -	DEF AT 4
23250 /21363	DEF AT local marker foram increase	DEF AT 4
23310 /21404	DEF AT - - - - -	DEF AT 5
23340 /21424	DEF AT - - - - -	DEF AT 4
23400 /21465	DEF AT Bathysiphon fauna	DEF AT 4
23580 /21588	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23790 /21730	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
23970 /21851	DEF AT - - - - -	DEF AT 4
24030 /21892	DEF AT - - - - -	DEF AT 5
24120 /21953	DEF AT local marker foram increase	DEF AT 5
24150 /21973	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
24210 /22013	DEF AT - - - - -	DEF AT 4
24360 /22114	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 738	<b>Date of Summary:</b> 24-JAN-2012	<b>First Sample Examined:</b> 17440
<b>Lease Number:</b> G16786	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25182
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22673
<b>API Well Number:</b> 608114058006	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17440 - 25182	<b>Water Depth:</b> 4475
<b>Public Info Code:</b> Y 21-APR-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24420 /22155	DEF AT glauconite	DEF AT 5
24720 /22359	DEF AT local marker foram increase	DEF AT 5
24750 /22380	DEF AT -----	DEF AT 4
25080 /22604	DEF AT transported shelf fauna	POS AT 4
25182 /22673	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 15-FEB-2012	First Sample Examined: 17440
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 25182
Well Name: 001	Paleo Done By: MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	Borehole TVD: 22673
API Well Number: 608114058006	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 17440 - 25182	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Mad Dog North Prospect, calcareous nannofossil report of Mark Jiang reviewed by Jason Crux (BHPBillton), nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17440 /17229	DEF AT first sample examined	DEF AT
17500 /17280	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
17560 /17331	DEF AT sequence boundary	DEF AT
17710 /17457	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
17948 /17653	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17949 /17654	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17950 /17654	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18190 /17850	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
18789 /18316	DEF AT sequence boundary	DEF AT
18790 /18316	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18969 /18448	DEF AT sequence boundary	DEF AT
18970 /18449	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19150 /18579	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19440 /18785	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
19590 /18891	DEF AT reworked material	DEF AT
20010 /19185	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20040 /19205	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
20638 /19611	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20639 /19612	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
20640 /19612	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21330 /20074	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 738	Date of Summary: 15-FEB-2012	First Sample Examined: 17440
Lease Number: G16786	Source of Paleo: OPERATOR	Borehole MD: 25182
Well Name: 001	Paleo Done By: MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	Borehole TVD: 22673
API Well Number: 608114058006	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 17440 - 25182	Water Depth: 4475
Public Info Code: Y 21-APR-2015	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21840 /20415	DEF AT sequence boundary	DEF AT
21930 /20476	DEF AT local marker floral increase	DEF AT
21960 /20496	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22080 /20576	DEF AT reworked material	DEF AT
22830 /21079	DEF AT sequence boundary	DEF AT
22859 /21098	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22860 /21099	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23519 /21546	DEF AT sequence boundary	DEF AT
23520 /21547	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23819 /21749	DEF AT sequence boundary	DEF AT
23820 /21750	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
24060 /21912	DEF AT sequence boundary	DEF AT
24750 /22380	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
24930 /22502	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24990 /22543	DEF AT sequence boundary	DEF AT
25080 /22604	DEF AT sequence boundary	DEF AT
25110 /22625	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25182 /22673	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 743	<b>Date of Summary:</b> 01-JUL-2000	<b>First Sample Examined:</b> 9300
<b>Lease Number:</b> G15607	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17194
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16972
<b>API Well Number:</b> 608114027700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9300 - 17194	<b>Water Depth:</b> 6675
<b>Public Info Code:</b> Y 23-JUL-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 17080=Discoaster petaliformis acme, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9300 / 9300	DEF AT first sample examined	DEF AT
9301 / 9301	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9420 / 9420	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
9479 / 9479	DEF AT condensed section	DEF AT
9480 / 9480	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
9570 / 9570	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9660 / 9660	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10530 /10530	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
12960 /12959	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
12961 /12960	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12990 /12989	DEF AT reworked material	DEF AT
13050 /13049	DEF AT reworked material	DEF AT
13230 /13229	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
13350 /13349	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13500 /13499	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13501 /13500	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
14220 /14200	DEF AT reworked material	DEF AT
14250 /14228	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
14280 /14256	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14460 /14423	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14789 /14728	POS AT unconformity	DEF AT
14790 /14729	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743  
Lease Number: G15607  
Well Name: 001  
API Well Number: 608114027700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 23-JUL-2010

Date of Summary: 01-JUL-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 9300 - 17194  
Ecozone Eq MMS:

First Sample Examined: 9300  
Borehole MD: 17194  
Borehole TVD: 16972  
Rkb Elevation: 83  
Water Depth: 6675  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14820 /14756	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14879 /14810	POS AT unconformity	DEF AT
14880 /14811	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
15029 /14948	POS AT unconformity	DEF AT
15030 /14949	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15031 /14950	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
15032 /14951	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15570 /15445	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15571 /15446	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
15572 /15447	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15573 /15448	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
15574 /15449	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
15780 /15640	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15781 /15641	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
16290 /16118	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16800 /16599	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16801 /16600	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17080 /16865	DEF AT local marker floral increase	DEF AT
17140 /16921	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
17170 /16950	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 01-AUG-2000	First Sample Examined: 9300
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 17194
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16972
API Well Number: 608114027700	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 9300 - 17194	Water Depth: 6675
Public Info Code: Y 23-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9300 / 9300	DEF AT first sample examined	DEF AT 4
9330 / 9330	POS IN Holocene Globorotalia inflata	DEF AT 4
9570 / 9570	DEF AT local marker foram increase	DEF AT 4
9660 / 9660	DEF AT local marker planktic foram increase	DEF IN 5
9780 / 9780	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9900 / 9900	DEF AT - - - - -	DEF AT 4
10530 /10530	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10980 /10980	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
11220 /11220	DEF AT local marker foram decrease	DEF AT 4
12030 /12030	DEF AT - - - - -	POS AT 4
12510 /12510	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	POS AT 4
12930 /12929	DEF AT local marker deep water fauna	DEF IN 4
13050 /13049	DEF AT reworked material	DEF IN 4
13830 /13826	DEF AT local marker benthic foram increase	DEF AT 5
14010 /14000	DEF AT - - - - -	DEF IN 4
14250 /14228	DEF AT - - - - -	POS IN 4
14430 /14395	DEF AT - - - - -	DEF AT 4
15030 /14949	DEF AT reworked material	DEF IN 4
15210 /15114	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15270 /15169	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
15390 /15279	DEF AT reworked material	DEF IN 4
15570 /15445	DEF AT local marker planktic foram increase	DEF IN 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743  
Lease Number: G15607  
Well Name: 001  
API Well Number: 608114027700  
Paleo Report Num: 2 of 2  
Public Info Code: Y 23-JUL-2010

Date of Summary: 01-AUG-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 9300 - 17194  
Ecozone Eq MMS: Y

First Sample Examined: 9300  
Borehole MD: 17194  
Borehole TVD: 16972  
Rkb Elevation: 83  
Water Depth: 6675  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15690 /15557	DEF AT -----	POS IN 4
15810 /15668	DEF AT -----	DEF AT 4
15870 /15724	DEF AT reworked material	DEF AT 4
16139 /15976	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
16140 /15977	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
16200 /16033	DEF AT -----	DEF AT 4
16500 /16316	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
16780 /16580	DEF AT local marker foram increase	DEF AT 4
17040 /16827	DEF AT limestone	DEF AT 4
17194 /16972	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 01-AUG-2000	First Sample Examined: 16960
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 18448
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18150
API Well Number: 608114027701	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 15880 - 18445	Water Depth: 6675
Public Info Code: Y 20-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16960 /16755	DEF AT first sample examined	DEF AT
16961 /16756	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17080 /16868	DEF AT local marker floral increase	DEF AT
17170 /16952	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17320 /17093	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
17440 /17205	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
17720 /17466	DEF AT local marker floral increase	DEF AT
17870 /17606	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
18070 /17794	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
18110 /17831	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
18190 /17907	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18260 /17973	DEF AT Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF AT
18290 /18001	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
18291 /18002	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
18410 /18114	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
18440 /18142	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 01-AUG-2000	First Sample Examined: 17000
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 18448
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18150
API Well Number: 608114027701	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 15880 - 18445	Water Depth: 6675
Public Info Code: Y 20-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 17900=Glomospira charoides pulse, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17000 /16793	DEF AT first sample examined	DEF AT 4
17001 /16794	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
17050 /16840	DEF AT limestone	DEF IN 4
17199 /16980	POS IN Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
17200 /16981	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
17230 /17009	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
17510 /17270	DEF AT local marker foram decrease	POS AT 4
17780 /17522	DEF AT Bathysiphon fauna	DEF AT 4
17900 /17634	DEF AT local marker benthic foram increase	DEF AT 4
18040 /17766	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
18260 /17973	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
18445 /18147	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 743	<b>Date of Summary:</b> 01-OCT-2000	<b>First Sample Examined:</b> 11420
<b>Lease Number:</b> G15607	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20970
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19367
<b>API Well Number:</b> 608114027702	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11420 - 20970	<b>Water Depth:</b> 6675
<b>Public Info Code:</b> Y 04-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11420 /11420	DEF AT first sample examined	DEF AT
11780 /11780	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
13040 /12952	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
13160 /13051	DEF AT reworked material	DEF AT
13670 /13463	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13760 /13536	DEF AT reworked material	DEF AT
13820 /13585	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14660 /14265	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
14810 /14387	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14811 /14388	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
14812 /14389	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
15200 /14706	POS AT unconformity	DEF AT
15230 /14730	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15231 /14731	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15290 /14778	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15320 /14802	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15379 /14850	POS AT unconformity	DEF AT
15380 /14851	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
15470 /14923	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15920 /15284	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16250 /15551	DEF IN Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
16610 /15841	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743  
Lease Number: G15607  
Well Name: 001  
API Well Number: 608114027702  
Paleo Report Num: 1 of 1  
Public Info Code: Y 04-NOV-2010

Date of Summary: 01-OCT-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 11420 - 20970  
Ecozone Eq MMS:

First Sample Examined: 11420  
Borehole MD: 20970  
Borehole TVD: 19367  
Rkb Elevation: 83  
Water Depth: 6675  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16611 /15842	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
16612 /15843	DEF AT Middle Miocene (Serravallian) <i>Calcidiscus premacintyreii</i>	DEF AT
16613 /15844	DEF AT Middle Miocene (Serravallian) <i>Coccolithus miopelagicus</i>	DEF AT
16850 /16036	POS AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i> (increase)	DEF AT
17990 /16952	DEF IN Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
18480 /17348	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
18900 /17689	DEF AT Middle Miocene (Langhian) <i>Helicosphaera ampliapertura</i>	DEF AT
19460 /18142	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (acme)	DEF AT
19880 /18482	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (increase)	DEF AT
20150 /18703	DEF AT Lower Miocene (Burdigalian) <i>Reticulofenestra gartneri</i>	DEF AT
20570 /19046	DEF AT Lower Miocene (Burdigalian) <i>Orthorhabdus serratus</i>	DEF AT
20780 /19215	DEF AT Lower Miocene (Burdigalian) <i>Triquetrorhabdulus carinatus</i>	DEF AT
20900 /19311	DEF AT Lower Miocene (Aquitanean) <i>Cyclicargolithus abisectus</i>	DEF AT
20901 /19312	DEF AT Upper Oligocene (Chattian) <i>Ericsonia fenestrata</i>	DEF AT
20930 /19335	DEF AT Upper Oligocene (Chattian) <i>Sphenolithus ciproensis</i>	DEF AT
20931 /19336	DEF AT Upper Oligocene (Chattian) <i>Dictyococcites bisectus</i> (increase)	DEF AT
20932 /19337	DEF AT Lower Miocene (Aquitanean) <i>Helicosphaera recta</i>	DEF AT
20960 /19359	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 20-NOV-2001	First Sample Examined: 0
Lease Number: G15607	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18760
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17233
API Well Number: 608114029803	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 6587
Public Info Code: Y 02-NOV-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14885 /13994	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
15380 /14397	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15395 /14410	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16010 /14929	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16085 /14993	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16205 /15094	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16955 /15729	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17135 /15881	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17885 /16507	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
18065 /16657	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18125 /16707	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18350 /16894	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 24-SEP-2002	First Sample Examined: 13800
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 19150
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 19145
API Well Number: 608114034400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 13800 - 19150	Water Depth: 6862
Public Info Code: Y 29-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13800 /13798	DEF AT first sample examined	DEF AT
13801 /13799	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
14220 /14218	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14819 /14817	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14820 /14818	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15600 /15597	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15690 /15687	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15810 /15807	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16125 /16122	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16800 /16797	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17070 /17067	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17130 /17126	DEF AT - - - - -	DEF AT 4
17220 /17216	DEF AT local marker floral increase	DEF AT 4
17340 /17336	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
17639 /17635	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 4
17640 /17636	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
17790 /17786	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
17910 /17906	DEF AT - - - - -	DEF AT 4
18150 /18146	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
18300 /18296	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
18420 /18416	DEF AT - - - - -	POS AT 4
18780 /18776	DEF AT - - - - -	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 24-SEP-2002	First Sample Examined: 13800
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 19150
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 19145
API Well Number: 608114034400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 13800 - 19150	Water Depth: 6862
Public Info Code: Y 29-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19150 /19145	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 743	<b>Date of Summary:</b> 11-MAR-2003	<b>First Sample Examined:</b> 17800
<b>Lease Number:</b> G15607	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20131
<b>Well Name:</b> 005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 20121
<b>API Well Number:</b> 608114034901	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17800 - 20100	<b>Water Depth:</b> 5405
<b>Public Info Code:</b> Y 23-MAR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17800 /17794	DEF AT first sample examined	DEF AT
18450 /18443	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19650 /19642	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19680 /19672	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
19860 /19851	POS AT Lower Miocene (Aquitanean) Discoaster saundersi	DEF AT
19889 /19880	POS AT reworked material	DEF AT
19890 /19881	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
20100 /20090	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 743	<b>Date of Summary:</b> 02-MAY-2005	<b>First Sample Examined:</b> 13989
<b>Lease Number:</b> G15607	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15603
<b>Well Name:</b> DC113	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14396
<b>API Well Number:</b> 608114040101	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13989 - 15603	<b>Water Depth:</b> 6824
<b>Public Info Code:</b> Y 06-OCT-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13989 /13250	DEF AT first sample examined	DEF AT
14010 /13265	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
14310 /13479	DEF AT reworked material	DEF AT
14970 /13941	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15603 /14396	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 02-MAY-2005	First Sample Examined: 15600
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 20220
Well Name: DC113	Paleo Done By: OPERATOR	Borehole TVD: 17828
API Well Number: 608114040102	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 15600 - 20220	Water Depth: 6824
Public Info Code: Y 13-NOV-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15600 /14444	DEF AT first sample examined	DEF AT
15630 /14466	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16080 /14795	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16529 /15126	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16530 /15127	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16680 /15237	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16800 /15326	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16920 /15416	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16980 /15460	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17490 /15835	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18000 /16211	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18180 /16345	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
18540 /16609	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
19200 /17093	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20220 /17827	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 28-DEC-2006	First Sample Examined: 14700
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 19381
Well Name: DC114	Paleo Done By: OPERATOR	Borehole TVD: 17730
API Well Number: 608114040200	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 14700 - 19381	Water Depth: 6824
Public Info Code: Y 29-JUN-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14700 /13998	DEF AT first sample examined	DEF AT
14701 /13999	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
15210 /14433	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15390 /14587	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15690 /14843	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15719 /14867	DEF AT unconformity	DEF AT
15720 /14868	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15900 /15022	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15930 /15047	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15990 /15099	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
16050 /15150	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16140 /15227	POS AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
16260 /15329	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16350 /15406	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16500 /15534	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
16799 /15789	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
16800 /15790	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17070 /16010	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
17460 /16308	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17580 /16398	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17700 /16488	POS AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
18480 /17070	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 743	<b>Date of Summary:</b> 28-DEC-2006	<b>First Sample Examined:</b> 14700
<b>Lease Number:</b> G15607	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19381
<b>Well Name:</b> DC114	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17730
<b>API Well Number:</b> 608114040200	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14700 - 19381	<b>Water Depth:</b> 6824
<b>Public Info Code:</b> Y 29-JUN-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18540 /17114	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18838 /17332	POS AT unconformity	DEF AT
18839 /17333	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18840 /17334	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
19290 /17663	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19381 /17730	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 02-MAY-2005	First Sample Examined: 14480
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 18610
Well Name: DC123	Paleo Done By: OPERATOR	Borehole TVD: 17582
API Well Number: 608114040500	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 14480 - 18610	Water Depth: 6825
Public Info Code: Y 11-DEC-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14480 /14176	DEF AT first sample examined	DEF AT
15060 /14648	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15210 /14770	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
15360 /14892	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15450 /14965	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16440 /15798	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16500 /15848	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
16530 /15873	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16590 /15923	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16740 /16047	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17910 /17007	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18060 /17130	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18480 /17474	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
18610 /17582	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 26-FEB-2003	First Sample Examined: 12600
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 18086
Well Name: DC124	Paleo Done By: OPERATOR	Borehole TVD: 17045
API Well Number: 608114035200	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 12600 - 18060	Water Depth: 6826
Public Info Code: Y 14-NOV-2012	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12600 /12486	DEF AT first sample examined	DEF AT
12780 /12637	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
14280 /13878	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14790 /14298	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15420 /14818	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15450 /14843	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15600 /14967	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15660 /15017	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15720 /15066	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15930 /15240	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16140 /15414	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16680 /15861	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16800 /15961	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
16950 /16087	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17250 /16338	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17640 /16665	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18059 /17018	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18060 /17019	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 02-MAY-2005	First Sample Examined: 15510
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 18031
Well Name: DC124	Paleo Done By: OPERATOR	Borehole TVD: 16724
API Well Number: 608114035201	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 15510 - 17700	Water Depth: 6826
Public Info Code: Y 06-JAN-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15510 /14820	DEF AT first sample examined	DEF AT
15750 /15000	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15810 /15045	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15870 /15090	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16320 /15429	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16980 /15939	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17130 /16055	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
17340 /16214	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17670 /16459	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17700 /16481	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 02-MAY-2005	First Sample Examined: 14510
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 18030
Well Name: DC124	Paleo Done By: OPERATOR	Borehole TVD: 17099
API Well Number: 608114035202	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 14510 - 18030	Water Depth: 6826
Public Info Code: Y 14-JAN-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14510 /14072	DEF AT first sample examined	DEF AT
14729 /14258	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14730 /14259	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15420 /14845	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15479 /14896	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15480 /14897	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15960 /15313	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15990 /15339	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16020 /15365	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
16140 /15468	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16260 /15572	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16320 /15624	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16620 /15884	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
16680 /15935	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17310 /16478	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17580 /16711	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18030 /17099	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 743	<b>Date of Summary:</b> 25-OCT-2004	<b>First Sample Examined:</b> 14010
<b>Lease Number:</b> G15607	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18071
<b>Well Name:</b> DC143	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17542
<b>API Well Number:</b> 608114041200	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14010 - 18070	<b>Water Depth:</b> 6830
<b>Public Info Code:</b> Y 23-AUG-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 /13935	DEF AT first sample examined	DEF AT
14310 /14223	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14969 /14822	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14970 /14823	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15090 /14927	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15180 /15004	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15209 /15029	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15210 /15030	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
15780 /15522	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16080 /15786	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16260 /15944	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16680 /16311	POS IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
16920 /16523	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17070 /16655	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17100 /16681	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17370 /16918	DEF AT reworked material	DEF AT
17460 /16998	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17970 /17452	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
18070 /17542	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 743	Date of Summary: 11-MAR-2003	First Sample Examined: 14590
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 19590
Well Name: DC313	Paleo Done By: OPERATOR	Borehole TVD: 18599
API Well Number: 608114034902	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 14590 - 19590	Water Depth: 5405
Public Info Code: Y 10-APR-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Atlantis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14590 /14585	DEF AT first sample examined	DEF AT
14591 /14586	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14830 /14824	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15010 /15003	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
15220 /15210	DEF AT reworked material	DEF AT
15460 /15443	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15550 /15528	DEF AT reworked material	DEF AT
15790 /15748	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15880 /15828	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16060 /15981	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
16180 /16077	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
16870 /16563	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17110 /16728	DEF AT reworked material	DEF AT
17260 /16834	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17650 /17117	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17710 /17161	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17980 /17364	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18010 /17386	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18070 /17432	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
18510 /17765	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18570 /17811	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
19246 /18330	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 743	<b>Date of Summary:</b> 11-MAR-2003	<b>First Sample Examined:</b> 14590
<b>Lease Number:</b> G15607	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19590
<b>Well Name:</b> DC313	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18599
<b>API Well Number:</b> 608114034902	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14590 - 19590	<b>Water Depth:</b> 5405
<b>Public Info Code:</b> Y 10-APR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19410 /18458	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
19500 /18528	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19560 /18575	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 765	Date of Summary: 16-JAN-2006	First Sample Examined: 8195
Lease Number: G16793	Source of Paleo: OPERATOR	Borehole MD: 24848
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22279
API Well Number: 608114045300	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8195 - 24850	Water Depth: 5313
Public Info Code: Y 09-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8195 / 8195	DEF AT first sample examined	DEF IN 5
9140 / 9140	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
9170 / 9170	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
10160 /10160	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
10970 /10969	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
17300 /16339	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
17420 /16435	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
17539 /16531	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
17540 /16531	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
18080 /16963	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
22609 /20511	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
22610 /20512	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
23530 /21236	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
23570 /21267	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
24260 /21814	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
24499 /22002	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
24500 /22003	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
24617 /22095	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
24618 /22095	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
24619 /22096	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
24620 /22097	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
24680 /22144	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 765	<b>Date of Summary:</b> 16-JAN-2006	<b>First Sample Examined:</b> 8195
<b>Lease Number:</b> G16793	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24848
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22279
<b>API Well Number:</b> 608114045300	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8195 - 24850	<b>Water Depth:</b> 5313
<b>Public Info Code:</b> Y 09-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24850 /	DEF AT last sample examined	DEF IN 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 767	<b>Date of Summary:</b> 24-AUG-2004	<b>First Sample Examined:</b> 7720
<b>Lease Number:</b> G24182	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14687
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14685
<b>API Well Number:</b> 608114042500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7720 - 14670	<b>Water Depth:</b> 5268
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7720 / 7720	DEF AT first sample examined	DEF AT 5
8500 / 8500	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9370 / 9370	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
10238 /10238	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10239 /10239	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
10240 /10240	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10270 /10270	POS IN Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10810 /10810	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10870 /10870	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10900 /10900	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10990 /10990	DEF AT faunal change (no faunal increase)	DEF AT 5
12220 /12220	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12700 /12700	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14670 /14669	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 767	<b>Date of Summary:</b> 24-AUG-2004	<b>First Sample Examined:</b> 7720
<b>Lease Number:</b> G24182	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14687
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14685
<b>API Well Number:</b> 608114042500	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7720 - 14670	<b>Water Depth:</b> 5268
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7720 / 7720	DEF AT first sample examined	DEF AT
7721 / 7721	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9160 / 9160	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9490 / 9490	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10120 /10120	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10240 /10240	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10270 /10270	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10540 /10540	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10870 /10870	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12790 /12790	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13240 /13239	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14460 /14459	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14610 /14609	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14670 /14669	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 767	<b>Date of Summary:</b> 14-NOV-2005	<b>First Sample Examined:</b> 7426
<b>Lease Number:</b> G24182	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13570
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13569
<b>API Well Number:</b> 608114045100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7426 - 13570	<b>Water Depth:</b> 4964
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7426 / 7426	DEF AT first sample examined	DEF IN 5
7969 / 7969	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
7970 / 7970	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7999 / 7999	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
8000 / 8000	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8480 / 8479	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
8630 / 8629	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8690 / 8689	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
8867 / 8866	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
8868 / 8867	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
8869 / 8868	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
8870 / 8869	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
8900 / 8899	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
8990 / 8989	DEF AT - - - - -	DEF AT 5
9170 / 9169	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
9620 / 9619	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
9650 / 9649	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11480 /11479	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
11539 /11538	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
11540 /11539	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11810 /11809	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
12619 /12618	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 767	<b>Date of Summary:</b> 14-NOV-2005	<b>First Sample Examined:</b> 7426
<b>Lease Number:</b> G24182	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13570
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13569
<b>API Well Number:</b> 608114045100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7426 - 13570	<b>Water Depth:</b> 4964
<b>Public Info Code:</b> Y 17-OCT-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12620 /12619	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
13570 /13569	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 768	Date of Summary: 07-JUN-2004	First Sample Examined: 7410
Lease Number: G21817	Source of Paleo: OPERATOR	Borehole MD: 13556
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13369
API Well Number: 608114041700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 7410 - 13557	Water Depth: 5257
Public Info Code: Y 10-MAY-2014	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7410 / 7410	DEF AT first sample examined	DEF AT
9060 / 9028	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10990 /10806	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11200 /11015	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11230 /11045	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11320 /11135	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11560 /11375	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12610 /12424	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13030 /12844	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13090 /12904	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
13557 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 768	Date of Summary: 07-JUN-2004	First Sample Examined: 11575
Lease Number: G21817	Source of Paleo: OPERATOR	Borehole MD: 13113
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12693
API Well Number: 608114041701	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11575 - 13113	Water Depth: 5257
Public Info Code: Y 14-MAY-2014	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11575 /11390	DEF AT first sample examined	DEF AT
11576 /11391	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13113 /12693	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 782	<b>Date of Summary:</b> 09-MAY-2003	<b>First Sample Examined:</b> 17764
<b>Lease Number:</b> G15610	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18084
<b>Well Name:</b> 007	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 15780
<b>API Well Number:</b> 608114036200	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17764 - 18070	<b>Water Depth:</b> 4428
<b>Public Info Code:</b> Y 10-MAR-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Mad Dog Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17764 /15486	DEF AT first sample examined	DEF AT
17765 /15487	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17860 /15574	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
17950 /15656	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18010 /15712	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18040 /15739	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18084 /15780	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 782	Date of Summary: 13-MAY-2003	First Sample Examined: 17760
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 19341
Well Name: 007	Paleo Done By: BUGWARE, INC.	Borehole TVD: 16735
API Well Number: 608114036201	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 17760 - 19320	Water Depth: 4428
Public Info Code: Y 20-APR-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Mad Dog Prospect, calcareous nannofossil report, 18210=assemblage change back to Sphenolithus abies and Reticulofenestra pseudumbilica

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17760 /15308	DEF AT first sample examined	DEF AT
17761 /15308	POS IN salt	DEF AT
17762 /15309	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18000 /15508	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18030 /15533	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18210 /15684	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18270 /15734	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18330 /15784	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18390 /15835	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18660 /16075	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19050 /16447	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19230 /16625	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19290 /16684	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 782	Date of Summary: 15-JAN-2000	First Sample Examined: 7060
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 20268
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 20256
API Well Number: 608114026100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 7060 - 20268	Water Depth: 4423
Public Info Code: Y 20-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Mad Dog Prospect, company-integrated foram and nanno report, 16870=rare Gyroidina scalata

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7060 / 7060	DEF AT first sample examined	POS AT 5
7420 / 7420	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	POS AT 5
8080 / 8080	DEF AT - - - - -	POS AT 5
8379 / 8379	POS AT reworked material	POS AT 5
8380 / 8380	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 5
8980 / 8979	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	POS AT 5
9039 / 9038	DEF AT reworked material	POS AT 5
9040 / 9039	POS AT Upper Miocene (Messinian) Discoaster berggrenii	POS AT 5
9160 / 9159	DEF AT - - - - -	DEF AT 5
9220 / 9219	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
9850 / 9849	DEF AT - - - - -	DEF AT 6
10090 /10089	DEF AT - - - - -	POS AT 6
10420 /10419	DEF AT salt	POS AT 6
14650 /14647	DEF AT sample gap top	POS AT 6
15205 /15202	DEF AT sample gap bottom	DEF AT 6
15360 /15357	DEF AT base of salt	DEF AT 6
15403 /15400	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
15410 /15407	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
15460 /15457	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
15550 /15547	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
15775 /15772	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
15850 /15847	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 782	Date of Summary: 15-JAN-2000	First Sample Examined: 7060
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 20268
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 20256
API Well Number: 608114026100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 7060 - 20268	Water Depth: 4423
Public Info Code: Y 20-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16630 /16627	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 5
16675 /16672	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5
16705 /16702	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
16816 /16812	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
16870 /16866	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
16890 /16886	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
17265 /17261	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
17760 /17756	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
17761 /17757	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF IN 5
18360 /18355	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
18780 /18773	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
18781 /18774	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
18840 /18833	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
19110 /19101	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
19500 /19490	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
19920 /19909	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 5
19921 /19910	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF IN 5
19979 /19968	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5
20268 /20256	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 782	Date of Summary: 03-FEB-2000	First Sample Examined: 18150
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 21560
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 20974
API Well Number: 608114026102	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 18150 - 21560	Water Depth: 4423
Public Info Code: Y 27-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Mad Dog Prospect, company-integrated foram and nanno report, no paleo received for sidetrack 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18150 /18135	DEF AT first sample examined	POS IN 5
18510 /18475	DEF AT - - - - -	POS IN 5
18570 /18530	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	POS IN 5
18810 /18744	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS IN 5
19410 /19199	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
19440 /19222	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
19950 /19625	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 6
19980 /19649	DEF AT - - - - -	POS IN 5
20790 /20315	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS IN 5
20880 /20392	DEF AT - - - - -	DEF AT 6
20970 /20469	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
21150 /20623	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
21180 /20648	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
21240 /20700	DEF AT - - - - -	POS AT 6
21300 /20751	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 6
21510 /20931	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	POS AT 6
21560 /20974	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 782	Date of Summary: 11-JUN-2003	First Sample Examined: 17160
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 20455
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 20432
API Well Number: 608114026103	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 17160 - 19816	Water Depth: 4420
Public Info Code: Y 20-JUL-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: Mad Dog Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17160 /17156	DEF AT first sample examined	DEF AT
17161 /17157	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17370 /17366	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17850 /17843	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18300 /18290	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18480 /18469	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18840 /18827	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
18870 /18857	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19140 /19126	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19440 /19424	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
19800 /19782	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
19816 /19798	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 782	Date of Summary: 17-FEB-2003	First Sample Examined: 15710
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 21330
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 20669
API Well Number: 608114035900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 15710 - 21330	Water Depth: 4428
Public Info Code: Y 03-FEB-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: Mad Dog Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15710 /15196	DEF AT first sample examined	DEF AT
15711 /15197	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15719 /15204	DEF AT base of salt	DEF AT
15720 /15205	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15840 /15316	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16170 /15622	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
16740 /16150	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16741 /16151	DEF AT out-of-place section	DEF AT
16890 /16289	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17040 /16429	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17280 /16653	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17580 /16941	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
18030 /17384	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18420 /17772	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
18960 /18309	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
19320 /18668	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
20280 /19624	DEF IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
20400 /19743	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20700 /20042	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
20940 /20280	DEF AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT
21060 /20400	POS AT Lower Miocene (Aquitania) Discoaster saundersi	DEF AT
21240 /20579	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 782	<b>Date of Summary:</b> 17-FEB-2003	<b>First Sample Examined:</b> 15710
<b>Lease Number:</b> G15610	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21330
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 20669
<b>API Well Number:</b> 608114035900	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15710 - 21330	<b>Water Depth:</b> 4428
<b>Public Info Code:</b> Y 03-FEB-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21300 /20639	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 782	<b>Date of Summary:</b> 05-OCT-2001	<b>First Sample Examined:</b> 19300
<b>Lease Number:</b> G15610	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23117
<b>Well Name:</b> A003	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 21144
<b>API Well Number:</b> 608114030601	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19300 - 23117	<b>Water Depth:</b> 4430
<b>Public Info Code:</b> Y 03-NOV-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Mad Dog Prospect, calcareous nannofossil report, 20650=abundance increase in Dictyococcites productus, 22900=possible base of Sphenolithus belemnos, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19300 /17677	DEF AT first sample examined	DEF AT
19301 /17678	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20020 /18375	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20170 /18520	DEF AT local marker floral increase	DEF AT
20560 /18895	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20650 /18981	DEF AT local marker floral increase	DEF AT
21160 /19460	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21880 /20082	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22510 /20619	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22539 /20644	POS AT unconformity	DEF AT
22540 /20645	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
22810 /20876	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
22870 /20928	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22900 /20954	DEF AT Lower Miocene (Burdigalian) Discoaster druggi (increase)	DEF AT
23100 /21129	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23117 /21144	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 782	Date of Summary: 11-JUN-2003	First Sample Examined: 19220
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 23780
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 21376
API Well Number: 608114030602	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 19220 - 23570	Water Depth: 4430
Public Info Code: Y 14-JUN-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: Mad Dog Prospect, calcareous nannofossil report, 23480=Sphenolithus belemnos increase

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19220 /17598	DEF AT first sample examined	DEF AT
19221 /17599	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19370 /17745	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
19910 /18245	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20690 /18878	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21440 /19431	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
22070 /19896	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22640 /20335	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22760 /20440	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
23360 /20990	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23480 /21100	DEF AT local marker floral increase	DEF AT
23540 /21155	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 783	Date of Summary: 01-JUN-2001	First Sample Examined: 15850
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 22427
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 20763
API Well Number: 608114028501	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 15850 - 22420	Water Depth: 4317
Public Info Code: Y 31-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Mad Dog Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15850 /15832	DEF AT first sample examined	POS IN 5
16150 /16131	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	POS IN 5
16210 /16191	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS IN 5
16480 /16457	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS IN 5
16870 /16828	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	POS IN 5
17260 /17172	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	POS IN 5
19600 /18780	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS IN 5
20080 /19110	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS IN 5
20110 /19130	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS IN 5
21190 /19872	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS IN 5
21730 /20253	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	POS IN 5
21760 /20275	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	POS IN 5
22419 /20757	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5
22420 /20758	DEF AT last sample examined	POS IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 783	Date of Summary: 01-JUN-2001	First Sample Examined: 7035
Lease Number: G15611	Source of Paleo: OPERATOR	Borehole MD: 21810
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21788
API Well Number: 608114028500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 7035 - 21810	Water Depth: 4317
Public Info Code: Y 01-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
7035 / 7035	DEF AT first sample examined	DEF	AT
7036 / 7036	DEF AT reworked material	DEF	AT
7990 / 7990	DEF AT salt	DEF	AT
15079 /15064	DEF AT base of salt	DEF	AT
15080 /15065	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	POS	AT 5
15490 /15472	DEF AT -----	DEF	AT 4
15760 /15742	DEF AT -----	POS	AT 4
15910 /15892	DEF AT -----	DEF	AT 5
16030 /16011	DEF AT -----	DEF	AT 4
16120 /16101	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT 4
16210 /16191	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF	AT 4
16240 /16221	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS	AT 4
16390 /16371	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS	AT 4
16930 /16911	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	POS	AT 4
17200 /17181	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	POS	AT 4
17410 /17391	DEF AT -----	DEF	AT 4
18310 /18291	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS	AT 4
18790 /18771	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT 5
18820 /18801	DEF AT -----	DEF	AT 4
19150 /19131	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS	AT 4
19570 /19550	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS	AT 4
19660 /19640	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 783	<b>Date of Summary:</b> 01-JUN-2001	<b>First Sample Examined:</b> 7035
<b>Lease Number:</b> G15611	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21810
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21788
<b>API Well Number:</b> 608114028500	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7035 - 21810	<b>Water Depth:</b> 4317
<b>Public Info Code:</b> Y 01-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19720 /19700	DEF AT -----	DEF AT 5
19750 /19730	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
19780 /19760	DEF AT -----	DEF AT 4
20440 /20420	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 4
20860 /20839	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
21040 /21019	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 4
21100 /21079	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
21700 /21678	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
21760 /21738	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
21810 /21788	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 785	Date of Summary: 19-MAR-2001	First Sample Examined: 11000
Lease Number: G18438	Source of Paleo: OPERATOR	Borehole MD: 24050
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24043
API Well Number: 608114029100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 11000 - 24050	Water Depth: 7169
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Dendara Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /11000	DEF AT first sample examined	DEF AT
11001 /11001	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
12680 /12680	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13040 /13040	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13340 /13339	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13490 /13489	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14240 /14239	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14390 /14389	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15170 /15168	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15320 /15318	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15380 /15378	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15410 /15408	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16189 /16186	POS AT unconformity	DEF AT
16190 /16187	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16220 /16217	POS IN Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
16250 /16247	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17090 /17087	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17840 /17837	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17990 /17987	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18020 /18017	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
18110 /18107	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18260 /18257	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 785	<b>Date of Summary:</b> 19-MAR-2001	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G18438	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24050
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 24043
<b>API Well Number:</b> 608114029100	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11000 - 24050	<b>Water Depth:</b> 7169
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18330 /18327	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18620 /18617	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19400 /19397	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
20270 /20267	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21440 /21436	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21530 /21526	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22010 /22005	DEF AT local marker floral increase	DEF AT
22460 /22455	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23150 /23144	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23360 /23354	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23780 /23774	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
23960 /23953	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
24049 /24042	POS AT Upper Oligocene (Chattian) Sphenolithus ciperensis	DEF AT
24050 /24043	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 794	<b>Date of Summary:</b> 14-JAN-2003	<b>First Sample Examined:</b> 7028
<b>Lease Number:</b> G24185	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10208
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10200
<b>API Well Number:</b> 608114035600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7028 - 10208	<b>Water Depth:</b> 4886
<b>Public Info Code:</b> Y 26-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7028 / 7028	DEF AT first sample examined	DEF AT 5
7029 / 7029	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7310 / 7309	DEF AT -----	DEF AT 4
7640 / 7639	DEF AT -----	DEF AT 5
8870 / 8863	DEF AT -----	DEF AT 4
9830 / 9823	DEF AT -----	DEF AT 5
10208 /10201	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 794	<b>Date of Summary:</b> 14-JAN-2003	<b>First Sample Examined:</b> 7028
<b>Lease Number:</b> G24185	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10208
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10200
<b>API Well Number:</b> 608114035600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7028 - 10208	<b>Water Depth:</b> 4886
<b>Public Info Code:</b> Y 26-JUN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7028 / 7028	DEF AT first sample examined	DEF AT
7160 / 7159	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10208 /10201	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 814	Date of Summary: 19-APR-2012	First Sample Examined: 9400
Lease Number: G32534	Source of Paleo: OPERATOR	Borehole MD: 15712
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15712
API Well Number: 608114058600	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 9400 - 15670	Water Depth: 5837
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Ligurian Prospect, foram species abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9400 / 9400	DEF AT first sample examined	DEF IN 5
9670 / 9670	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
11830 /11830	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 5
12520 /12520	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13598 /13598	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13599 /13599	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
13600 /13600	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14229 /14229	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
14230 /14230	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
14409 /14409	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
14410 /14410	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
14860 /14860	DEF AT -----	DEF AT 5
15577 /15577	DEF AT Lower Miocene (Aquitanean) Globorotalia kugleri	DEF AT 5
15578 /15578	DEF AT Lower Miocene (Aquitanean) Globigerina angulisuturalis	DEF AT 5
15579 /15579	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
15580 /15580	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
15670 /15670	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 814	Date of Summary: 26-APR-2012	First Sample Examined: 9400
Lease Number: G32534	Source of Paleo: OPERATOR	Borehole MD: 15712
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 15712
API Well Number: 608114058600	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 9400 - 15670	Water Depth: 5837
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Ligurian Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9400 / 9400	DEF AT first sample examined	DEF AT
9401 / 9401	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
9402 / 9402	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
10210 /10210	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12430 /12430	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12970 /12970	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13599 /13599	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13600 /13600	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13779 /13779	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13780 /13780	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14140 /14140	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
14320 /14320	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14590 /14590	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
14860 /14860	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15670 /15670	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 814	<b>Date of Summary:</b> 16-APR-2012	<b>First Sample Examined:</b> 14600
<b>Lease Number:</b> G32534	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23124
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23122
<b>API Well Number:</b> 608114058601	<b>Drilling Operator:</b> COBALT INTERNATIONAL ENERGY LP	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14600 - 23050	<b>Water Depth:</b> 5837
<b>Public Info Code:</b> Y 27-SEP-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14600 /14600	DEF AT first sample examined	DEF AT 5
14601 /14601	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14690 /14690	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
15500 /15498	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
15589 /15587	DEF AT out-of-place section	DEF AT 5
15590 /15588	DEF IN Middle Eocene Bartonian Stage	DEF AT 5
15680 /15678	DEF IN salt	POS AT 5
21339 /21337	DEF AT base of salt	DEF AT 5
21340 /21338	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
21460 /21458	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
21580 /21578	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
21759 /21757	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
21760 /21758	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
21790 /21788	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
23050 /23048	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 814	Date of Summary: 18-MAY-2012	First Sample Examined: 14600
Lease Number: G32534	Source of Paleo: OPERATOR	Borehole MD: 23124
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 23122
API Well Number: 608114058601	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 14600 - 15680	Water Depth: 5837
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Ligurian Prospect, suprasalt calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14600 /14600	DEF AT first sample examined	DEF AT
14601 /14601	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14602 /14602	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14870 /14869	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15140 /15139	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15500 /15498	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
15680 /15678	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 814	Date of Summary: 01-JUN-2012	First Sample Examined: 22240
Lease Number: G32534	Source of Paleo: OPERATOR	Borehole MD: 28461
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 28458
API Well Number: 608114058602	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 22240 - 28461	Water Depth: 5837
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Ligurian Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22240 /22238	DEF AT first sample examined	DEF AT
24550 /24547	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
24850 /24847	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25600 /25597	DEF AT local marker floral increase	DEF AT
26680 /26677	DEF AT local marker floral decrease	DEF AT
27250 /27247	POS AT reworked material	DEF AT
27580 /27577	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
28030 /28027	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
28330 /28327	DEF AT local marker floral increase	DEF AT
28461 /28458	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 814	<b>Date of Summary:</b> 15-JUN-2012	<b>First Sample Examined:</b> 22240
<b>Lease Number:</b> G32534	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28461
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 28458
<b>API Well Number:</b> 608114058602	<b>Drilling Operator:</b> COBALT INTERNATIONAL ENERGY LP	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22240 - 28461	<b>Water Depth:</b> 5837
<b>Public Info Code:</b> Y 27-SEP-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Ligurian Prospect, foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22240 /22238	DEF AT first sample examined	DEF AT 5
22241 /22239	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22510 /22508	DEF AT - - - - -	DEF AT 4
24880 /24877	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
27040 /27037	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
28461 /28458	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 814	Date of Summary: 22-JUN-2012	First Sample Examined: 26300
Lease Number: G32534	Source of Paleo: OPERATOR	Borehole MD: 30246
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30242
API Well Number: 608114058603	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 26300 - 30248	Water Depth: 5837
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Ligurian Prospect, foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26300 /26297	DEF AT first sample examined	DEF AT 5
26301 /26298	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
27290 /27286	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
28580 /28576	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
29960 /29956	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
30020 /30016	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
30248 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 814	Date of Summary: 24-AUG-2012	First Sample Examined: 26330
Lease Number: G32534	Source of Paleo: OPERATOR	Borehole MD: 30246
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 30242
API Well Number: 608114058603	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 26330 - 30246	Water Depth: 5837
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

Remark: Ligurian Prospect, nanno species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26330 /26327	DEF AT first sample examined	DEF AT
26780 /26776	DEF AT local marker floral increase	DEF AT
27560 /27556	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27860 /27856	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
28010 /28006	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
29029 /29025	DEF AT local marker floral increase	DEF AT
29030 /29026	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
29210 /29206	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
29450 /29446	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
29780 /29776	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
29810 /29806	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
29840 /29836	DEF AT reworked material	DEF AT
29928 /29924	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
29929 /29925	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
29930 /29926	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
30230 /30226	DEF AT local marker floral increase	DEF AT
30246 /30242	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 817	<b>Date of Summary:</b> 22-JUL-2010	<b>First Sample Examined:</b> 8515
<b>Lease Number:</b> G31753	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33957
<b>Well Name:</b> 001	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 33382
<b>API Well Number:</b> 608114056600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8515 - 33861	<b>Water Depth:</b> 4439
<b>Public Info Code:</b> Y 25-MAY-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8515 / 8515	DEF AT first sample examined	DEF AT
8516 / 8516	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8549 / 8549	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8550 / 8550	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
9000 / 9000	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9630 / 9630	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10439 /10439	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10440 /10440	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10529 /10529	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
10530 /10530	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10620 /10620	DEF AT out-of-place section	DEF AT
11200 /11200	DEF AT salt	DEF AT
20079 /20019	DEF AT base of salt	DEF AT
20080 /20020	DEF AT out-of-place section	DEF AT
22440 /22292	POS IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
22500 /22350	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
23610 /23422	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
23820 /23624	DEF AT local marker floral increase	DEF AT
24240 /24030	DEF AT local marker floral increase	DEF AT
24630 /24406	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
24990 /24753	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
25019 /24781	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 817  
Lease Number: G31753  
Well Name: 001  
API Well Number: 608114056600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 25-MAY-2015

Date of Summary: 22-JUL-2010  
Source of Paleo: OPERATOR  
Paleo Done By: MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 8515 - 33861  
Ecozone Eq MMS:

First Sample Examined: 8515  
Borehole MD: 33957  
Borehole TVD: 33382  
Rkb Elevation: 85  
Water Depth: 4439  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25020 /24782	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
25170 /24926	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
25410 /25157	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
25950 /25678	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
26100 /25823	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
26160 /25880	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
26190 /25909	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
26219 /25937	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
26220 /25938	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
26309 /26024	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
26310 /26025	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26340 /26054	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
26400 /26112	DEF AT salt	DEF AT
29879 /29445	DEF AT base of salt	DEF AT
29880 /29446	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
31410 /30914	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
31500 /31001	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
31679 /31175	DEF AT limestone	DEF AT
31680 /31176	DEF AT maximum flooding surface	DEF AT
33861 /33289	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 823	Date of Summary: 07-OCT-2003	First Sample Examined: 14066
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 14660
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14658
API Well Number: 608114038400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14066 - 14610	Water Depth: 4129
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Puma Prospect, company-integrated foram and nanno report, from 14160 to 14370, microfossils indicate redeposited Eocene to Lower middle Miocene, complicating interpretations, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14066 /14064	DEF AT first sample examined	DEF AT
14067 /14065	DEF IN Upper (Late) Paleocene	DEF AT
14158 /14156	DEF AT reworked material	DEF AT
14159 /14157	POS AT Miocene	DEF AT
14160 /14158	DEF AT local marker foram increase	DEF AT
14190 /14188	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14310 /14308	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14370 /14368	DEF AT reworked material	DEF AT
14488 /14486	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14489 /14487	DEF AT Arenaceous fauna (local marker)	DEF AT
14490 /14488	DEF AT local marker planktic foram increase	DEF AT
14520 /14518	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
14610 /14608	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 823	Date of Summary: 06-NOV-2003	First Sample Examined: 14060
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 19034
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19022
API Well Number: 608114038402	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14060 - 19035	Water Depth: 4129
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Puma Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 /14057	DEF AT first sample examined	DEF AT
14061 /14058	DEF AT out-of-place section	DEF AT
14180 /14176	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14330 /14325	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14570 /14564	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
14599 /14593	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
14600 /14594	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15110 /15103	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16040 /16032	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
16400 /16392	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17300 /17292	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17301 /17293	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
18020 /18011	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
18170 /18161	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18348 /18338	POS AT reworked material	DEF AT
18349 /18339	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18350 /18340	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
18620 /18610	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
18650 /18640	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18709 /18699	DEF AT reworked material	DEF AT
18710 /18700	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 823	<b>Date of Summary:</b> 06-NOV-2003	<b>First Sample Examined:</b> 14060
<b>Lease Number:</b> G16808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19034
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19022
<b>API Well Number:</b> 608114038402	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14060 - 19035	<b>Water Depth:</b> 4129
<b>Public Info Code:</b> Y 29-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18740 /18730	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
18741 /18731	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
18830 /18819	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
18860 /18849	DEF AT local marker benthic foram increase	DEF AT
18890 /18879	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT
18920 /18909	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
19035 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 823	Date of Summary: 18-NOV-2003	First Sample Examined: 15010
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 18677
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18491
API Well Number: 608114038403	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 15010 - 18676	Water Depth: 4129
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15010 /14990	DEF AT first sample examined	DEF AT
15011 /14991	DEF AT reworked material	DEF AT
15220 /15191	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
16000 /15940	DEF AT reworked material	DEF AT
17019 /16912	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
17020 /16913	DEF AT local marker planktic foram increase	DEF AT
18110 /17943	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
18430 /18250	DEF AT Middle Miocene (Langhian) <i>Globigerinoides sicanus</i>	DEF AT
18530 /18346	DEF AT local marker planktic foram increase	DEF AT
18640 /18451	DEF AT Middle Miocene (Langhian) <i>Discoaster druggi</i>	DEF AT
18670 /18480	POS AT Lower Miocene (Burdigalian) <i>Sphenolithus belemnus</i>	DEF AT
18671 /18481	POS AT Lower Miocene (Aquitanean) <i>Discoaster saundersi</i>	DEF AT
18672 /18482	POS AT Lower Miocene (Aquitanean) <i>Sphenolithus dissimilis</i>	DEF AT
18676 /18486	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 823	Date of Summary: 27-DEC-2003	First Sample Examined: 14530
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 20044
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19766
API Well Number: 608114038404	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14530 - 20044	Water Depth: 4129
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14530 /14524	DEF AT first sample examined	DEF AT
14531 /14525	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14590 /14584	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
14710 /14703	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15872 /15853	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
16090 /16065	DEF AT reworked material	DEF AT
16540 /16483	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17740 /17542	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18369 /18139	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18370 /18140	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
18880 /18620	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
18909 /18648	DEF AT reworked material	DEF AT
18910 /18649	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
19330 /19057	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
19360 /19087	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19750 /19473	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
19900 /19623	DEF AT Lower Miocene (Aquitania) Cyclocargolithus abisectus	DEF AT
19960 /19683	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
19989 /19712	DEF AT local marker floral increase	DEF AT
19990 /19713	DEF AT Lower Miocene (Aquitania) Globorotalia kugleri	DEF AT
20020 /19743	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
20044 /19767	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 823	<b>Date of Summary:</b> 10-FEB-2009	<b>First Sample Examined:</b> 17670
<b>Lease Number:</b> G16808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23200
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23165
<b>API Well Number:</b> 608114052500	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17670 - 23200	<b>Water Depth:</b> 4216
<b>Public Info Code:</b> Y 29-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Puma 4 Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17670 /17639	DEF AT first sample examined	DEF AT
17671 /17640	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17672 /17641	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17750 /17719	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17780 /17749	DEF AT local marker floral decrease	DEF AT
17800 /17769	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
17810 /17779	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica "B"	DEF AT
17820 /17789	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
17899 /17868	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17900 /17869	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17980 /17949	DEF AT reworked material	DEF AT
18010 /17979	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18280 /18249	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18340 /18309	DEF AT local marker floral increase	DEF AT
18460 /18429	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18520 /18489	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
18740 /18709	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18780 /18749	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
18960 /18929	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19110 /19079	POS AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
19330 /19299	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 823	<b>Date of Summary:</b> 10-FEB-2009	<b>First Sample Examined:</b> 17670
<b>Lease Number:</b> G16808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23200
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23165
<b>API Well Number:</b> 608114052500	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17670 - 23200	<b>Water Depth:</b> 4216
<b>Public Info Code:</b> Y 29-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19440 /19409	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19500 /19469	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
19558 /19527	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19559 /19528	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
19560 /19529	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT
19650 /19619	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT
19710 /19679	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
19948 /19917	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
19949 /19918	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19950 /19919	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20010 /19979	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
20369 /20338	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20370 /20339	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
20460 /20429	DEF AT local marker foram decrease	DEF AT
20850 /20819	DEF AT local marker floral increase	DEF AT
20939 /20908	DEF AT Bathysiphon fauna	DEF AT
20940 /20909	DEF AT local marker planktic foram increase	DEF AT
21030 /20999	DEF AT reworked material	DEF AT
21060 /21029	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT
21210 /21178	DEF AT local marker floral increase	DEF AT
21540 /21508	DEF AT Bathysiphon fauna	DEF AT
21780 /21748	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21960 /21928	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22230 /22198	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 823	<b>Date of Summary:</b> 10-FEB-2009	<b>First Sample Examined:</b> 17670
<b>Lease Number:</b> G16808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23200
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23165
<b>API Well Number:</b> 608114052500	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17670 - 23200	<b>Water Depth:</b> 4216
<b>Public Info Code:</b> Y 29-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22380 /22347	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
22560 /22527	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
22590 /22557	DEF AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
22620 /22587	DEF AT reworked material	DEF AT
22768 /22735	DEF AT Bathysiphon fauna	DEF AT
22769 /22736	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
22770 /22737	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
23049 /23015	DEF AT local marker floral increase	DEF AT
23050 /23016	DEF AT local marker planktic foram increase	DEF AT
23200 /23165	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 823	<b>Date of Summary:</b> 16-JUN-2009	<b>First Sample Examined:</b> 19310
<b>Lease Number:</b> G16808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23529
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22562
<b>API Well Number:</b> 608114052501	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19310 - 23529	<b>Water Depth:</b> 4222
<b>Public Info Code:</b> Y 29-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Puma 4 Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19310 /19279	DEF AT first sample examined	DEF AT
19400 /19369	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus (increase)	DEF AT
19490 /19459	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19550 /19518	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19700 /19666	DEF AT local marker planktic foram increase	DEF AT
19790 /19754	DEF AT local marker floral increase	DEF AT
19820 /19783	DEF AT local marker planktic foram increase	DEF AT
19910 /19869	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT
19939 /19896	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT
19940 /19897	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
20240 /20169	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
20270 /20195	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
20450 /20343	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
20510 /20391	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT
20540 /20414	DEF AT Bathysiphon fauna	DEF AT
20570 /20437	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
20600 /20460	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
20630 /20483	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
20660 /20505	DEF AT reworked material	DEF AT
20930 /20705	DEF AT local marker floral increase	DEF AT
21200 /20903	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 823	Date of Summary: 16-JUN-2009	First Sample Examined: 19310
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 23529
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22562
API Well Number: 608114052501	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 19310 - 23529	Water Depth: 4222
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21799 /21338	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21800 /21339	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21920 /21425	DEF AT Bathysiphon fauna	DEF AT
22130 /21575	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22220 /21638	DEF AT Bathysiphon fauna	DEF AT
22609 /21913	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
22610 /21913	DEF AT Middle Miocene (Langhian) Globigerinoides sicanius	DEF AT
22699 /21976	DEF AT Bathysiphon fauna	DEF AT
22700 /21977	DEF AT local marker planktic foram increase	DEF AT
22759 /22018	DEF AT Bathysiphon fauna	DEF AT
22760 /22019	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT
22910 /22124	DEF AT local marker floral increase	DEF AT
22969 /22166	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22970 /22166	DEF AT local marker planktic foram increase	DEF AT
23120 /22272	DEF AT local marker floral decrease	DEF AT
23239 /22357	DEF AT Bathysiphon fauna	DEF AT
23240 /22357	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23266 /22376	DEF AT Bathysiphon fauna	DEF AT
23267 /22376	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
23268 /22377	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
23269 /22378	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
23270 /22378	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
23330 /22421	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
23386 /22460	DEF AT Bathysiphon fauna	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 823	<b>Date of Summary:</b> 16-JUN-2009	<b>First Sample Examined:</b> 19310
<b>Lease Number:</b> G16808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23529
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22562
<b>API Well Number:</b> 608114052501	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19310 - 23529	<b>Water Depth:</b> 4222
<b>Public Info Code:</b> Y 29-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23387 /22461	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
23388 /22462	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
23389 /22463	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
23390 /22463	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT
23420 /22485	DEF AT local marker planktic foram increase	DEF AT
23450 /22506	DEF AT Bathysiphon fauna	DEF AT
23529 /22562	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 07-FEB-2005	First Sample Examined: 11800
Lease Number: G09981	Source of Paleo: OPERATOR	Borehole MD: 22890
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22135
API Well Number: 608114043500	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 11800 - 22890	Water Depth: 5014
Public Info Code: Y 17-FEB-2015	Ecozone Eq MMS:	Paleo ID: 001

Remark: Mad Dog Southwest Ridge Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11800 /11799	DEF AT first sample examined	DEF AT
13370 /13369	DEF AT poor sample interval top	DEF AT
14900 /14899	DEF AT poor sample interval bottom	DEF AT
15320 /15319	DEF AT local marker floral increase	DEF AT
15770 /15769	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16039 /16038	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16040 /16039	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16279 /16278	DEF AT reworked material	DEF AT
16280 /16279	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16550 /16549	DEF AT local marker floral decrease	DEF AT
16580 /16579	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16788 /16786	DEF AT drilling material	DEF AT
16797 /16795	DEF AT local marker floral decrease	DEF AT
16798 /16796	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16940 /16938	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17089 /17087	DEF IN Upper Miocene (Tortonian) Discoaster prepentariatus (increase)	DEF AT
17090 /17088	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17420 /17418	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17600 /17598	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18170 /18165	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
18350 /18340	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18589 /18567	DEF AT local marker floral decrease	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 826	<b>Date of Summary:</b> 07-FEB-2005	<b>First Sample Examined:</b> 11800
<b>Lease Number:</b> G09981	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22890
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22135
<b>API Well Number:</b> 608114043500	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11800 - 22890	<b>Water Depth:</b> 5014
<b>Public Info Code:</b> Y 17-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18590 /18568	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18889 /18841	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
18890 /18841	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18950 /18894	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
20060 /19810	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20120 /19860	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
20240 /19958	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20960 /20554	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
21890 /21318	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21950 /21368	DEF AT reworked material	DEF AT
22400 /21739	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
22670 /21958	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22890 /22135	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 826	<b>Date of Summary:</b> 11-FEB-2005	<b>First Sample Examined:</b> 17320
<b>Lease Number:</b> G09981	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23650
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22461
<b>API Well Number:</b> 608114043501	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17320 - 23650	<b>Water Depth:</b> 5006
<b>Public Info Code:</b> Y 10-MAR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Mad Dog Southwest Ridge Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17320 /17314	DEF AT first sample examined	DEF AT
17380 /17374	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17770 /17761	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18640 /18584	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19000 /18883	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
19390 /19183	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20320 /19902	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20410 /19971	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
20530 /20064	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21100 /20504	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
21250 /20619	DEF AT local marker floral increase	DEF AT
22419 /21515	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22420 /21516	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23005 /21966	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23094 /22034	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23341 /22224	POS AT Lower Miocene (Aquitainian) Helicosphaera recta	DEF AT
23342 /22225	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
23354 /22234	DEF AT reworked material	DEF AT
23650 /22461	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 25-JUN-1998	First Sample Examined: 9120
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 19010
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17584
API Well Number: 608115012800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9120 - 18960	Water Depth: 6734
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9120 / 9120	DEF AT first sample examined	POS IN 4
9300 / 9300	DEF AT - - - - -	DEF AT 4
9660 / 9660	DEF AT transported outer shelf facies	POS AT 4
9780 / 9780	DEF AT - - - - -	DEF AT 4
9990 / 9990	DEF AT transported outer shelf facies	POS AT 4
10080 /10080	DEF AT local marker planktic foram increase	DEF AT 4
11460 /11460	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 4
11520 /11520	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
12300 /12277	DEF AT - - - - -	DEF AT 4
12450 /12414	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
13020 /12893	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
16110 /15304	DEF AT - - - - -	DEF AT 4
16290 /15447	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
16320 /15471	DEF AT - - - - -	DEF IN 4
16740 /15799	DEF AT - - - - -	DEF AT 4
16830 /15869	DEF AT Upper Miocene (Messinian) Discoaster quinquenarius	DEF AT 4
17430 /16336	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
17910 /16708	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
18150 /16894	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
18270 /16986	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
18930 /17517	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 01-DEC-1998	First Sample Examined: 11000
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 22400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20794
API Well Number: 608115012801	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 11000 - 22400	Water Depth: 6734
Public Info Code: Y 24-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /11000	DEF AT first sample examined	POS AT 4
11660 /11656	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
12170 /12141	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS AT 4
15320 /14695	DEF AT cement	POS AT 4
16219 /15409	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS AT 4
16220 /15409	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS AT 4
16670 /15765	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
16730 /15812	DEF AT -----	DEF IN 4
16790 /15859	DEF AT -----	POS AT 4
17300 /16257	DEF AT -----	DEF AT 4
17330 /16281	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
18230 /17000	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	POS AT 4
18530 /17244	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS AT 4
19070 /17690	POS AT Upper Miocene (Tortonian) Catinaster coalitus	POS AT 4
19190 /17791	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
19280 /17868	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 4
19490 /18046	DEF AT -----	DEF AT 4
19520 /18072	DEF AT Middle Miocene (Serravallian) Discoaster musicus	POS AT 4
19820 /18333	DEF AT -----	DEF AT 4
20150 /18627	DEF AT -----	POS AT 4
20470 /18919	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 4
20540 /18983	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 01-DEC-1998	First Sample Examined: 11000
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 22400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20794
API Well Number: 608115012801	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 11000 - 22400	Water Depth: 6734
Public Info Code: Y 24-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20630 /19067	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 4
20720 /19152	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
20750 /19180	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
21020 /19438	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21140 /19553	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
21650 /20051	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 4
21710 /20111	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 4
21740 /20140	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
21890 /20288	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
22000 /20397	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	POS AT 4
22020 /20417	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
22280 /20674	DEF AT Lower Miocene (Aquitainian) Discoaster saundersi	POS AT 4
22360 /20754	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	POS AT 4
22380 /20774	DEF IN Upper Oligocene (Chattian) Bolivina perca	POS AT 4
22400 /20794	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 26-APR-2004	First Sample Examined: 9740
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 16224
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15389
API Well Number: 608114038900	Drilling Operator: BP CORPORATION NORTH AMERICA INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 9740 - 16224	Water Depth: 5062
Public Info Code: Y 16-MAY-2014	Ecozone Eq MMS:	Paleo ID: 001

Remark: Mad Dog Deep Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9740 / 9739	DEF AT first sample examined	DEF AT
9741 / 9740	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9950 / 9949	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
10280 /10277	DEF AT local marker foram increase	DEF AT
10670 /10659	DEF AT local marker planktic foram increase	DEF AT
11960 /11798	DEF AT reworked material	DEF AT
12110 /11925	DEF AT local marker planktic foram increase	DEF AT
12260 /12051	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12290 /12077	DEF AT local marker foram increase	DEF AT
13160 /12809	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13880 /13415	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15110 /14450	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15169 /14499	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15170 /14500	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT
15290 /14601	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
15320 /14626	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15350 /14651	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
15408 /14700	DEF AT Arenaceous fauna (local marker)	DEF AT
15409 /14701	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15410 /14702	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15559 /14827	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15560 /14828	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 826	<b>Date of Summary:</b> 26-APR-2004	<b>First Sample Examined:</b> 9740
<b>Lease Number:</b> G09982	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16224
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15389
<b>API Well Number:</b> 608114038900	<b>Drilling Operator:</b> BP CORPORATION NORTH AMERICA INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9740 - 16224	<b>Water Depth:</b> 5062
<b>Public Info Code:</b> Y 16-MAY-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15680 /14929	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
15710 /14954	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15950 /15157	DEF AT out-of-place section	DEF AT
16096 /15281	DEF AT local marker planktic foram increase	DEF AT
16224 /15389	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 08-JUL-2004	First Sample Examined: 11570
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 17181
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15534
API Well Number: 608114038901	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 11570 - 17180	Water Depth: 5062
Public Info Code: Y 12-JUN-2014	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Mad Dog Deep Prospect, company-integrated foram and nanno report, from 16310 to TD, flora and fauna indicate a mixed zone with some reworking of older (Early Miocene to Early Pliocene) taxa

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11259 /11204	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
11570 /11470	DEF AT first sample examined	DEF AT
11900 /11747	DEF AT reworked material	DEF AT
12110 /11915	DEF AT local marker planktic foram increase	DEF AT
12290 /12052	DEF AT local marker planktic foram increase	DEF AT
12320 /12074	POS AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
12349 /12095	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12350 /12096	DEF AT local marker planktic foram increase	DEF AT
13310 /12780	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14150 /13378	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15560 /14381	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15709 /14487	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15710 /14488	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT
15740 /14509	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
15800 /14552	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
15948 /14657	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15949 /14658	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15950 /14658	DEF AT Arenaceous fauna (local marker)	DEF AT
16039 /14722	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16040 /14722	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
16069 /14743	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 826	<b>Date of Summary:</b> 08-JUL-2004	<b>First Sample Examined:</b> 11570
<b>Lease Number:</b> G09982	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17181
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15534
<b>API Well Number:</b> 608114038901	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11570 - 17180	<b>Water Depth:</b> 5062
<b>Public Info Code:</b> Y 12-JUN-2014	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16070 /14744	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
16099 /14764	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16100 /14765	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16160 /14808	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16310 /14914	DEF AT out-of-place section	DEF AT
16610 /15128	DEF AT out-of-place section	DEF AT
17180 /15533	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 09-SEP-2005	First Sample Examined: 15200
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 25085
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24049
API Well Number: 608114043600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 9200 - 25085	Water Depth: 6736
Public Info Code: Y 04-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Mad Dog Deep II Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15200 /14967	DEF AT first sample examined	DEF AT
15409 /15159	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
15410 /15160	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15559 /15297	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15560 /15298	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15680 /15408	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15710 /15436	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16700 /16343	POS AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
17030 /16646	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17060 /16673	DEF AT - - - - -	DEF AT 4
17299 /16892	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
17300 /16893	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
17480 /17058	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
17570 /17140	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
17750 /17306	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17780 /17334	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
17810 /17361	POS AT local marker planktic foram increase	DEF AT 5
17840 /17389	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
18110 /17637	DEF AT local marker floral increase	DEF AT 5
18229 /17747	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 5
18230 /17747	POS AT local marker planktic foram increase	DEF AT 5
18260 /17775	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 09-SEP-2005	First Sample Examined: 15200
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 25085
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24049
API Well Number: 608114043600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 9200 - 25085	Water Depth: 6736
Public Info Code: Y 04-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18710 /18189	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
18770 /18244	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
18800 /18272	DEF AT reworked material	DEF IN 5
18920 /18382	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
19129 /18574	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF IN 5
19130 /18575	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
19219 /18657	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
19220 /18658	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 5
19279 /18712	DEF AT local marker foram decrease	DEF IN 5
19280 /18713	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
19310 /18741	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
19610 /19016	DEF AT Arenaceous fauna (local marker)	DEF IN 5
19790 /19182	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
19970 /19347	DEF AT local marker planktic foram increase	DEF IN 5
19999 /19374	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
20000 /19375	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
20089 /19457	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF IN 5
20090 /19458	DEF AT Arenaceous fauna (local marker)	DEF IN 5
20150 /19513	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
20210 /19568	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
20299 /19650	DEF AT local marker floral increase	DEF IN 5
20300 /19651	POS AT local marker planktic foram increase	DEF IN 5
20330 /19678	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
20420 /19761	DEF AT Middle Miocene (Langhian) Globigerinoides sicanius	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 09-SEP-2005	First Sample Examined: 15200
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 25085
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24049
API Well Number: 608114043600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 9200 - 25085	Water Depth: 6736
Public Info Code: Y 04-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20600 /19927	DEF AT local marker planktic foram increase	DEF IN 5
20750 /20065	DEF AT local marker planktic foram increase	DEF IN 5
20990 /20287	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
21080 /20370	DEF AT - - - - -	DEF IN 5
21240 /20516	POS AT Arenaceous fauna (local marker)	DEF IN 5
21260 /20535	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF IN 5
21289 /20561	DEF AT - - - - -	DEF IN 5
21290 /20562	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 5
21389 /20653	DEF AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF IN 5
21390 /20654	POS AT local marker planktic foram increase	DEF IN 5
21428 /20689	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5
21429 /20689	DEF AT Lower Miocene (Aquitania) Discoaster saundersi	DEF IN 5
21430 /20690	DEF AT local marker planktic foram increase	DEF IN 5
21550 /20800	POS AT Lower Miocene (Aquitania) Globigerinoides primordius	DEF IN 5
21590 /20837	DEF AT reworked material	DEF IN 5
21650 /20892	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF IN 5
21710 /20947	DEF AT Arenaceous fauna (local marker)	DEF IN 5
21740 /20974	DEF AT - - - - -	DEF IN 5
21799 /21028	DEF AT Lower Miocene (Aquitania) Sphenolithus conicus	DEF IN 5
21800 /21029	DEF AT local marker foram increase	DEF IN 5
21890 /21111	DEF AT Lower Miocene (Aquitania) Globorotalia kugleri	DEF AT 6
21919 /21138	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT 6
21920 /21139	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 6
22160 /21358	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826  
Lease Number: G09982  
Well Name: 003  
API Well Number: 608114043600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 04-SEP-2015

Date of Summary: 09-SEP-2005  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 9200 - 25085  
Ecozone Eq MMS:

First Sample Examined: 15200  
Borehole MD: 25085  
Borehole TVD: 24049  
Rkb Elevation: 88  
Water Depth: 6736  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22220 /21413	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
22279 /21467	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 6
22280 /21468	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
22310 /21495	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 6
22340 /21522	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF IN 6
22370 /21550	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
22400 /21577	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
22430 /21604	DEF AT local marker planktic foram increase	DEF IN 6
22460 /21631	DEF AT local marker floral increase	DEF IN 6
22489 /21658	DEF AT local marker floral increase	DEF IN 6
22490 /21659	DEF AT Arenaceous fauna (local marker)	DEF IN 6
22520 /21686	POS AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 6
22549 /21712	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 6
22550 /21713	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF IN 6
22578 /21739	DEF AT radiolarians	DEF IN 6
22579 /21740	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 6
22580 /21741	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6
22610 /21768	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
22640 /21795	DEF AT local marker planktic foram increase	DEF IN 6
22667 /21820	DEF AT radiolarians	DEF IN 6
22668 /21821	POS AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF IN 6
22669 /21821	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 6
22670 /21822	POS AT Arenaceous fauna (local marker)	DEF IN 6
22698 /21848	POS AT radiolarians	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 09-SEP-2005	First Sample Examined: 15200
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 25085
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24049
API Well Number: 608114043600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 9200 - 25085	Water Depth: 6736
Public Info Code: Y 04-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22699 /21849	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 6
22700 /21850	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 6
22728 /21875	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF IN 6
22729 /21876	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 6
22730 /21877	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
22759 /21904	DEF AT Middle Eocene (Bartonian) Birkelundia staurion	DEF IN 6
22760 /21904	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
22789 /21931	DEF AT radiolarians	DEF IN 6
22790 /21932	POS AT Lower Eocene (Ypresian) Discoaster binodosus	DEF IN 6
22880 /22014	DEF AT radiolarians	DEF IN 6
22939 /22068	POS AT reworked material	DEF IN 6
22940 /22069	DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF IN 6
23029 /22150	DEF AT Bathysiphon fauna	DEF IN 6
23030 /22151	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF IN 6
23090 /22206	DEF AT Bathysiphon fauna	DEF IN 6
23210 /22315	POS AT Bathysiphon fauna	DEF IN 6
23300 /22398	DEF AT Arenaceous fauna (local marker)	DEF IN 6
23330 /22426	DEF AT Bathysiphon fauna	DEF IN 6
23420 /22509	POS AT local marker floral increase	DEF IN 6
23450 /22536	DEF AT Bathysiphon fauna	DEF IN 6
23659 /22730	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 6
23660 /22731	DEF AT Bathysiphon fauna	DEF IN 6
23690 /22758	POS AT Arenaceous fauna (local marker)	DEF IN 6
23780 /22842	POS AT Upper Paleocene (Thanetian) Morozovella angulata	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 09-SEP-2005	First Sample Examined: 15200
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 25085
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24049
API Well Number: 608114043600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 9200 - 25085	Water Depth: 6736
Public Info Code: Y 04-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23840 /22897	DEF AT Bathysiphon fauna	DEF IN 6
24230 /23258	DEF AT Arenaceous fauna (local marker)	DEF IN 6
24290 /23313	DEF AT Arenaceous fauna (local marker)	DEF IN 6
24380 /23397	POS AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF IN 6
24410 /23424	DEF AT Bathysiphon fauna	DEF IN 6
24560 /23563	DEF AT Arenaceous fauna (local marker)	DEF IN 6
24650 /23646	DEF AT local marker floral increase	DEF IN 6
24710 /23702	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF IN 6
24740 /23730	DEF AT local marker floral increase	DEF IN 6
24770 /23757	DEF AT local marker floral increase	DEF IN 6
24830 /23813	DEF AT local marker floral increase	DEF IN 6
24860 /23841	DEF AT local marker floral increase	DEF IN 6
24887 /23866	DEF AT Bathysiphon fauna	DEF AT 6
24888 /23867	POS AT reworked material	DEF AT 6
24889 /23868	POS AT local marker planktic foram increase	DEF AT 6
24890 /23868	POS AT Lower Paleocene (Danian) Globoconusa daubjergensis	DEF AT 6
24920 /23896	POS AT local marker benthic foram increase	DEF AT 6
24980 /23952	DEF AT local marker foram increase	DEF AT 6
25008 /23978	DEF AT Upper Cretaceous (Maastrichtian) Reinhardites levis	DEF AT 5
25009 /23978	DEF AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT 5
25010 /23979	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT 5
25019 /23988	DEF AT Upper Cretaceous (Coniacian) Quadrum gartneri	DEF AT 5
25020 /23989	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT 5
25029 /23997	POS AT Upper Cretaceous (Campanian) Reinhardites anthophorus "A"	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 826	<b>Date of Summary:</b> 09-SEP-2005	<b>First Sample Examined:</b> 15200
<b>Lease Number:</b> G09982	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25085
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 24049
<b>API Well Number:</b> 608114043600	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9200 - 25085	<b>Water Depth:</b> 6736
<b>Public Info Code:</b> Y 04-SEP-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25030 /23998	DEF AT local marker foram decrease	DEF AT 5
25085 /24049	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 25-FEB-2005	First Sample Examined: 17340
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 22280
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 21228
API Well Number: 608114043502	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 17340 - 22280	Water Depth: 5006
Public Info Code: Y 25-MAR-2015	Ecozone Eq MMS:	Paleo ID: 001

Remark: Mad Dog Southwest Ridge Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
17340 /17334	DEF AT first sample examined	DEF AT
17370 /17364	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17520 /17513	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17640 /17632	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18330 /18287	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18750 /18628	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
19500 /19180	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19740 /19356	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20160 /19665	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20220 /19710	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
20704 /20068	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
20730 /20087	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
21600 /20728	DEF AT reworked material	DEF AT
21705 /20806	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21855 /20916	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
22280 /21228	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 826	Date of Summary: 04-MAR-2005	First Sample Examined: 17340
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 21420
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 21408
API Well Number: 608114043503	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 17340 - 21420	Water Depth: 5014
Public Info Code: Y 03-APR-2015	Ecozone Eq MMS:	Paleo ID: 001

Remark: Mad Dog Southwest Ridge Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17340 /17334	DEF AT first sample examined	DEF AT
17370 /17364	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18390 /18381	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19200 /19190	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19290 /19280	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
19530 /19520	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19560 /19550	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
20250 /20239	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20775 /20764	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
20820 /20809	DEF AT reworked material	DEF AT
21030 /21018	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
21105 /21093	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
21135 /21123	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
21420 /21408	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 847	Date of Summary: 01-MAY-2009	First Sample Examined: 25683
Lease Number: G23000	Source of Paleo: OPERATOR	Borehole MD: 32212
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 31265
API Well Number: 608114053200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 25683 - 32212	Water Depth: 5715
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Turtle Lake Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25683 /25660	DEF AT first sample examined	DEF AT
25684 /25661	DEF IN base of salt	DEF AT
25685 /25662	DEF IN out-of-place section	DEF AT
25940 /25913	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
26480 /26444	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26840 /26797	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
26870 /26826	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
26960 /26912	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27020 /26970	DEF AT local marker floral decrease	DEF AT
27170 /27111	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27200 /27140	DEF AT local marker floral decrease	DEF AT
27439 /27360	DEF AT floral flood	DEF AT
27440 /27361	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
27470 /27388	DEF AT local marker floral decrease	DEF AT
27590 /27496	DEF AT local marker floral increase	DEF AT
27620 /27522	DEF AT local marker floral decrease	DEF AT
27650 /27549	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
27710 /27601	DEF AT local marker floral decrease	DEF AT
27770 /27652	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
27860 /27729	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
28160 /27976	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
28220 /28025	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 847	Date of Summary: 01-MAY-2009	First Sample Examined: 25683
Lease Number: G23000	Source of Paleo: OPERATOR	Borehole MD: 32212
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 31265
API Well Number: 608114053200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 25683 - 32212	Water Depth: 5715
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28370 /28148	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
28490 /28245	DEF AT floral flood	DEF AT
28730 /28441	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
28820 /28514	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
29030 /28684	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
29090 /28733	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
29120 /28757	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
29240 /28854	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
29330 /28927	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
29360 /28952	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
29479 /29048	DEF AT local marker floral decrease	DEF AT
29480 /29049	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
29600 /29146	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT
29660 /29194	DEF AT local marker floral increase	DEF AT
29690 /29219	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
29720 /29243	DEF AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF AT
29840 /29340	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
29960 /29437	DEF AT local marker floral decrease	DEF AT
30320 /29729	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
30410 /29802	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
30830 /30142	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
31790 /30922	DEF IN Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
31850 /30971	DEF AT reworked material	DEF AT
31970 /31068	DEF AT Lower Paleocene (Danian) Markalius inversus astroporus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 847	Date of Summary: 01-MAY-2009	First Sample Examined: 25683
Lease Number: G23000	Source of Paleo: OPERATOR	Borehole MD: 32212
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 31265
API Well Number: 608114053200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 25683 - 32212	Water Depth: 5715
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32212 /31265	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 847	<b>Date of Summary:</b> 08-JUN-2009	<b>First Sample Examined:</b> 25673
<b>Lease Number:</b> G23000	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32212
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 31265
<b>API Well Number:</b> 608114053200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 25673 - 32212	<b>Water Depth:</b> 5715
<b>Public Info Code:</b> Y 19-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Turtle Lake Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25673 /25650	DEF AT first sample examined	POS AT 5
25674 /25651	DEF IN turbid water facies	POS AT 5
25700 /25677	DEF AT - - - - -	DEF AT 5
25819 /25794	DEF AT turbid water facies	POS AT 5
25820 /25795	DEF AT local white Arenaceous fauna	POS AT 5
25940 /25913	DEF AT Bathysiphon fauna	POS AT 5
26030 /26002	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
26090 /26061	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 5
26120 /26090	DEF AT turbid water facies	POS AT 5
26180 /26149	DEF AT local marker planktic foram increase	DEF AT 5
26240 /26208	DEF AT turbid water facies	POS AT 5
26360 /26326	DEF AT local marker planktic foram increase	DEF AT 5
26390 /26356	DEF AT turbid water facies	POS AT 5
26630 /26592	DEF AT Bathysiphon fauna	POS AT 5
26750 /26709	DEF AT foram flood	DEF AT 5
26780 /26739	DEF AT turbid water facies	POS AT 5
26840 /26797	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 5
26960 /26912	DEF AT local marker foram increase	POS AT 5
26990 /26941	DEF AT Arenaceous fauna (local marker)	POS AT 5
27140 /27083	DEF AT local marker foram increase	DEF AT 5
27350 /27279	DEF AT turbid water facies	POS AT 5
27410 /27334	DEF AT - - - - -	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 847  
Lease Number: G23000  
Well Name: 001  
API Well Number: 608114053200  
Paleo Report Num: 2 of 2  
Public Info Code: Y 19-OCT-2011

Date of Summary: 08-JUN-2009  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 25673 - 32212  
Ecozone Eq MMS: Y

First Sample Examined: 25673  
Borehole MD: 32212  
Borehole TVD: 31265  
Rkb Elevation: 92  
Water Depth: 5715  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27740 /27627	DEF AT turbid water facies	POS AT 5
27860 /27729	DEF AT local marker benthic foram increase	DEF AT 5
27890 /27754	DEF AT turbid water facies	POS AT 5
27920 /27779	DEF AT - - - -	DEF AT 5
27980 /27829	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
28130 /27952	DEF AT Upper Oligocene (Chatian) Globigerina ciperoensis ciperoensis	DEF AT 5
28220 /28025	DEF AT local marker benthic foram increase	DEF AT 5
28580 /28319	DEF AT foram flood	DEF AT 5
28880 /28562	DEF AT local marker foram decrease	DEF AT 5
28910 /28587	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
29000 /28660	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
29030 /28684	DEF AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
29060 /28708	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
29090 /28733	DEF AT radiolarians	DEF AT 5
29149 /28781	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
29150 /28782	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
29180 /28806	DEF AT foram flood	DEF AT 5
29210 /28830	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
29240 /28854	DEF AT Middle Eocene (Bartonian) Nonionella cockfieldensis	DEF AT 5
29269 /28878	DEF AT radiolarians	DEF AT 5
29270 /28879	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 5
29390 /28976	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
29420 /29000	DEF AT radiolarians	DEF AT 5
29689 /29218	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 847	Date of Summary: 08-JUN-2009	First Sample Examined: 25673
Lease Number: G23000	Source of Paleo: OPERATOR	Borehole MD: 32212
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31265
API Well Number: 608114053200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 25673 - 32212	Water Depth: 5715
Public Info Code: Y 19-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29690 /29219	DEF AT Bathysiphon fauna	DEF AT 5
29840 /29340	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
29870 /29365	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 5
30110 /29559	DEF AT turbid water facies	POS AT 5
30140 /29583	DEF AT Bathysiphon fauna	POS AT 5
30200 /29632	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	POS AT 5
30680 /30020	DEF AT Bathysiphon fauna	POS AT 5
30830 /30142	DEF AT Bathysiphon fauna	POS AT 5
31040 /30313	DEF AT Bathysiphon fauna	POS AT 5
31310 /30532	DEF AT Bathysiphon fauna	POS AT 5
31520 /30703	DEF AT Bathysiphon fauna	POS AT 5
31789 /30921	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	POS AT 5
31790 /30922	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	POS AT 5
31970 /31068	DEF AT Arenaceous fauna (local marker)	POS AT 5
32000 /31093	DEF AT Lower Paleocene (Danian) Globoconusa daubjergensis	DEF AT 5
32090 /31166	DEF IN Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	DEF AT 5
32120 /31190	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT 5
32150 /31214	DEF AT Upper Cretaceous (Campanian) Archaeoglobigerina bosquensis	DEF AT 5
32212 /31265	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 858	Date of Summary: 01-SEP-2009	First Sample Examined: 24651
Lease Number: G32536	Source of Paleo: OPERATOR	Borehole MD: 27990
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27374
API Well Number: 608114055200	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 24657 - 26404	Water Depth: 5641
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Ligurian Prospect, calcareous nannofossil report, nannospecies abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24657 /24566	DEF AT first sample examined	DEF AT
24658 /24566	DEF IN out-of-place section	DEF AT
24659 /24567	POS IN Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT
24660 /24568	POS IN Upper Cretaceous (Cenomanian) Lithraphidites acutus	DEF AT
24690 /24594	POS IN Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
25200 /25032	POS IN Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
25260 /25083	POS IN Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
26010 /25721	POS IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
26070 /25772	POS IN Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
26160 /25849	POS IN Lower Eocene (Ypresian) Tribrachiatus contortus	DEF AT
26250 /25926	DEF AT local marker floral decrease	DEF AT
26404 /26057	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 858	Date of Summary: 10-NOV-2009	First Sample Examined: 8435
Lease Number: G32536	Source of Paleo: OPERATOR	Borehole MD: 27990
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27374
API Well Number: 608114055200	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 8435 - 27990	Water Depth: 5641
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Ligurian Prospect, subsalt section appears to either be inverted or approximately the same age to TD, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8435 / 8435	DEF AT first sample examined	POS IN 5
9090 / 9090	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
9450 / 9450	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "A")	DEF IN 5
9630 / 9630	DEF AT - - - - -	DEF AT 5
10820 /10820	DEF AT salt	POS AT 5
10884 /10884	DEF AT sample gap top	POS AT 5
24627 /24540	DEF AT sample gap bottom	POS AT 5
24628 /24540	DEF AT out-of-place section	POS AT 5
24629 /24541	POS AT Upper Cretaceous (Cenomanian) Rotalipora reicheli	POS AT 5
24630 /24542	POS AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	POS AT 5
24660 /24568	POS AT Upper Cretaceous (Cenomanian) Rotalipora greenhornensis	POS AT 5
24690 /24594	POS AT Upper Cretaceous (Santonian) Dicarinella concavata	POS AT 5
24720 /24620	POS AT Upper Cretaceous (Maastrichtian) Globotruncana contusa	POS AT 5
25109 /24954	POS AT Lower Paleocene (Danian) Globorotalia trinidadensis	POS AT 5
25110 /24955	POS AT Upper Paleocene (Selandian) Globorotalia inconstans	POS AT 5
26459 /26104	DEF AT Lower Eocene Ypresian Stage	POS AT 5
26460 /26105	DEF AT radiolarians	POS AT 5
26670 /26282	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	POS AT 5
26699 /26306	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	POS AT 5
26700 /26307	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	POS AT 5
26730 /26332	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 858  
 Lease Number: G32536  
 Well Name: 001  
 API Well Number: 608114055200  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 27-SEP-2016

Date of Summary: 10-NOV-2009  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: COBALT INTERNATIONAL ENERGY LP  
 Sample Range: 8435 - 27990  
 Ecozone Eq MMS: Y

First Sample Examined: 8435  
 Borehole MD: 27990  
 Borehole TVD: 27374  
 Rkb Elevation: 85  
 Water Depth: 5641  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26820 /26407	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	POS AT 5
26880 /26457	DEF AT out-of-place section	POS AT 5
27870 /27274	POS AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	POS AT 5
27990 /27374	DEF AT last sample examined	POS AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 858	Date of Summary: 01-SEP-2009	First Sample Examined: 26640
Lease Number: G32536	Source of Paleo: OPERATOR	Borehole MD: 27647
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27116
API Well Number: 608114055201	Drilling Operator: COBALT INTERNATIONAL ENERGY LP	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 26640 - 27647	Water Depth: 5641
Public Info Code: Y 27-SEP-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Ligurian Prospect, calcareous nannofossil report, subsalt section appears to either be inverted or approximately the same age to TD, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26640 /26257	DEF AT first sample examined	DEF AT
26910 /26485	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27180 /26715	POS IN Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
27647 /27116	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 858	<b>Date of Summary:</b> 02-DEC-2009	<b>First Sample Examined:</b> 26675
<b>Lease Number:</b> G32536	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27647
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27116
<b>API Well Number:</b> 608114055201	<b>Drilling Operator:</b> COBALT INTERNATIONAL ENERGY LP	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 26675 - 27647	<b>Water Depth:</b> 5641
<b>Public Info Code:</b> Y 27-SEP-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Ligurian Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26675 /26286	DEF AT first sample examined	DEF AT 5
26676 /26287	POS IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
26970 /26536	POS IN Lower Miocene Aquitanian Stage	DEF AT 5
27300 /26817	DEF AT out-of-place section	DEF AT 5
27480 /26972	POS IN Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 5
27647 /27116	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 866	<b>Date of Summary:</b> 27-AUG-2007	<b>First Sample Examined:</b> 14220
<b>Lease Number:</b> G16821	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22110
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22017
<b>API Well Number:</b> 608114045900	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14220 - 22110	<b>Water Depth:</b> 4065
<b>Public Info Code:</b> Y 29-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14220 /14127	DEF AT first sample examined	DEF AT
14221 /14128	DEF IN bottom of salt	DEF AT
14258 /14165	POS IN Upper Cretaceous Campanian Stage	DEF AT
14430 /14337	POS IN Upper Cretaceous Maastrichtian Stage	DEF AT
15680 /15587	POS AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
15810 /15717	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
16200 /16107	POS AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
16260 /16167	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16320 /16227	DEF AT out-of-place section	DEF AT
16380 /16287	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
16439 /16346	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16440 /16347	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16590 /16497	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16656 /16563	DEF AT local marker floral increase	DEF AT
16720 /16627	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16733 /16640	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16734 /16641	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17250 /17157	DEF AT local marker floral increase	DEF AT
17610 /17517	DEF AT Arenaceous fauna (local marker)	DEF AT
17640 /17547	DEF AT local marker floral increase	DEF AT
17910 /17817	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
18060 /17967	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 866	Date of Summary: 27-AUG-2007	First Sample Examined: 14220
Lease Number: G16821	Source of Paleo: OPERATOR	Borehole MD: 22110
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22017
API Well Number: 608114045900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14220 - 22110	Water Depth: 4065
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18360 /18267	DEF AT local marker floral increase	DEF AT
18569 /18476	DEF AT local marker benthic foram increase	DEF AT
18570 /18477	DEF AT local marker planktic foram increase	DEF AT
19589 /19496	DEF AT Bathysiphon fauna	DEF AT
19590 /19497	DEF AT Arenaceous fauna (local marker)	DEF AT
19770 /19677	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
19800 /19707	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19920 /19827	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
20160 /20067	DEF AT local marker foram increase	DEF AT
20910 /20817	DEF AT Bathysiphon fauna	DEF AT
21029 /20936	DEF AT local marker floral increase	DEF AT
21030 /20937	DEF AT local marker planktic foram increase	DEF AT
21060 /20967	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
21570 /21477	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
21690 /21597	DEF AT Lower Miocene (Aquitanean) Sphenolithus dissimilis	DEF AT
21870 /21777	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
22019 /21926	DEF AT reworked material	DEF AT
22020 /21927	DEF AT local marker planktic foram increase	DEF AT
22050 /21957	DEF AT local marker floral increase	DEF AT
22110 /22017	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 872	Date of Summary: 01-SEP-2001	First Sample Examined: 10830
Lease Number: G31762	Source of Paleo: OPERATOR	Borehole MD: 19134
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19127
API Well Number: 608114029200	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 10830 - 19134	Water Depth: 7460
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 16700=Middle Miocene Catinaster A, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 /10828	DEF AT first sample examined	DEF AT
11190 /11188	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
12720 /12718	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
12750 /12748	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12840 /12838	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
12900 /12898	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14240 /14238	DEF AT reworked material	DEF AT
14300 /14298	DEF AT reworked material	DEF AT
14450 /14448	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15170 /15168	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
15200 /15198	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15260 /15258	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15290 /15288	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15440 /15438	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15530 /15528	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16040 /16037	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16370 /16367	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16372 /16369	DEF AT reworked material	DEF AT
16400 /16397	POS AT local marker floral increase	DEF AT
16700 /16697	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
16820 /16817	DEF AT local marker floral increase	DEF AT
17480 /17477	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 872	<b>Date of Summary:</b> 01-SEP-2001	<b>First Sample Examined:</b> 10830
<b>Lease Number:</b> G31762	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19134
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19127
<b>API Well Number:</b> 608114029200	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10830 - 19134	<b>Water Depth:</b> 7460
<b>Public Info Code:</b> Y 31-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17510 /17507	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17840 /17837	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18110 /18106	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
18230 /18226	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
18380 /18376	DEF AT local marker floral increase	DEF AT
18500 /18495	DEF AT local marker floral increase	DEF AT
18829 /18823	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
18830 /18824	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
18860 /18854	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
19010 /19003	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19011 /19004	DEF AT reworked material	DEF AT
19134 /19126	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 872	Date of Summary: 01-SEP-2001	First Sample Examined: 10830
Lease Number: G31762	Source of Paleo: OPERATOR	Borehole MD: 19134
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19127
API Well Number: 608114029200	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 10830 - 19134	Water Depth: 7460
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
10830 /10828	DEF AT first sample examined	POS	IN	3
10950 /10948	DEF AT faunal change (no faunal increase)	DEF	IN	3
11070 /11068	DEF IN Holocene Globorotalia inflata	POS	IN	3
11130 /11128	POS AT Lower Pleistocene (Calabrian) Stilosomella antillea	POS	IN	3
11250 /11248	DEF AT faunal change (no faunal increase)	DEF	AT	4
11430 /11428	DEF AT faunal change (no faunal increase)	POS	AT	4
12090 /12088	DEF AT faunal change (no faunal increase)	DEF	IN	3
12390 /12388	DEF AT shell fragments	DEF	IN	3
12570 /12568	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN	3
12810 /12808	DEF IN Lower Pleistocene (Calabrian) Stilosomella antillea	DEF	AT	4
12930 /12928	DEF AT faunal change (no faunal increase)	DEF	IN	3
13410 /13408	DEF AT faunal change (no faunal increase)	POS	IN	3
15140 /15138	DEF AT local marker foram increase	DEF	IN	4
15230 /15228	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	4
15260 /15258	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
15289 /15287	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
15290 /15288	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	5
15349 /15347	DEF AT limestone	DEF	AT	5
15350 /15348	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF	AT	5
15410 /15408	DEF AT faunal change (no faunal increase)	POS	AT	4
15560 /15558	DEF AT faunal change (no faunal increase)	DEF	IN	4
15650 /15648	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	IN	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 872	Date of Summary: 01-SEP-2001	First Sample Examined: 10830
Lease Number: G31762	Source of Paleo: OPERATOR	Borehole MD: 19134
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19127
API Well Number: 608114029200	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 10830 - 19134	Water Depth: 7460
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15800 /15798	DEF AT faunal change (no faunal increase)	POS AT 4
15950 /15948	DEF AT faunal change (no faunal increase)	DEF AT 5
16010 /16007	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16100 /16097	DEF AT faunal change (no faunal increase)	DEF AT 4
16460 /16457	DEF AT faunal change (no faunal increase)	POS AT 4
16760 /16757	DEF AT faunal change (no faunal increase)	DEF IN 4
16790 /16787	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
16910 /16907	DEF AT faunal change (no faunal increase)	POS IN 4
17090 /17087	DEF AT faunal change (no faunal increase)	DEF AT 4
17210 /17207	DEF AT faunal change (no faunal increase)	POS AT 4
17570 /17567	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
17780 /17777	DEF AT reworked material	DEF AT 4
17870 /17867	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
18110 /18106	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18560 /18555	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 4
18710 /18704	DEF AT faunal change (no faunal increase)	POS AT 4
18800 /18794	DEF AT faunal change (no faunal increase)	DEF AT 4
19100 /19092	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
19134 /19126	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 902	Date of Summary: 30-APR-2007	First Sample Examined: 19470
Lease Number: G18454	Source of Paleo: OPERATOR	Borehole MD: 26061
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25450
API Well Number: 608114049000	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 19470 - 26062	Water Depth: 5233
Public Info Code: Y 23-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Big Kahuna Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19470 /19345	DEF AT first sample examined	DEF AT 4
19471 /19346	DEF IN salt	DEF AT 4
19472 /19347	DEF IN out-of-place section	DEF AT 4
19490 /19364	DEF AT base of salt	DEF AT 4
19520 /19392	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
19550 /19420	DEF AT local marker foram increase	DEF AT 4
19700 /19558	POS AT local marker planktic foram increase	DEF IN 4
19790 /19641	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
20090 /19917	POS AT local marker foram increase	DEF IN 4
20240 /20055	DEF AT - - - - -	POS IN 4
21020 /20771	DEF AT local marker foram increase	DEF IN 4
21530 /21239	DEF AT transported shelf fauna	DEF AT 4
21560 /21267	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
21620 /21323	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
21890 /21575	DEF AT reworked material	DEF AT 5
21919 /21602	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
21920 /21603	DEF AT local marker benthic foram increase	DEF AT 5
22219 /21882	DEF AT local marker benthic foram increase	DEF AT 5
22220 /21883	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
22279 /21938	DEF AT Arenaceous fauna (local marker)	DEF AT 5
22280 /21939	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 902	<b>Date of Summary:</b> 30-APR-2007	<b>First Sample Examined:</b> 19470
<b>Lease Number:</b> G18454	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26061
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25450
<b>API Well Number:</b> 608114049000	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19470 - 26062	<b>Water Depth:</b> 5233
<b>Public Info Code:</b> Y 23-AUG-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22310 /21967	DEF AT local marker foram decrease	DEF AT 5
22670 /22302	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 5
22730 /22358	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23330 /22921	DEF AT local marker benthic foram increase	DEF AT 5
23420 /23005	POS AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
23750 /23311	DEF AT local marker deep water fauna	DEF AT 5
24470 /23979	DEF AT local marker floral decrease	DEF AT 5
24710 /24201	DEF AT local marker foram decrease	DEF AT 5
25820 /25227	DEF AT local marker planktic foram increase	DEF AT 5
25970 /25366	POS AT local marker planktic foram increase	DEF AT 5
26062 /	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 902	Date of Summary: 19-JUL-2011	First Sample Examined: 19490
Lease Number: G18454	Source of Paleo: OPERATOR	Borehole MD: 26061
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25450
API Well Number: 608114049000	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 19490 - 26061	Water Depth: 5233
Public Info Code: Y 19-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Big Kahuna Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19490 /19364	DEF AT first sample examined	DEF AT 4
19491 /19365	DEF IN out-of-place section	DEF AT 4
19492 /19366	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
21590 /21295	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
22220 /21883	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
22790 /22414	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
22820 /22442	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT 5
23990 /23534	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
24230 /23757	DEF AT - - - - -	DEF AT 5
26060 /25449	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
26061 /25450	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 942	Date of Summary: 01-SEP-2001	First Sample Examined: 9503
Lease Number: G16838	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22998
API Well Number: 608114029300	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9503 - 23000	Water Depth: 6608
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Samples taken at 90-foot intervals above 19355, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9503 / 9503	DEF AT first sample examined	DEF AT 4
9590 / 9590	DEF IN Holocene Globorotalia inflata	DEF AT 4
9860 / 9860	DEF AT faunal change (no faunal increase)	DEF AT 5
10040 /10040	DEF AT faunal change (no faunal increase)	POS AT 5
10220 /10220	DEF AT faunal change (no faunal increase)	POS AT 4
10580 /10580	DEF AT faunal change (no faunal increase)	DEF AT 4
11300 /11300	DEF AT local marker benthic foram increase	DEF AT 5
11480 /11480	DEF AT faunal change (no faunal increase)	DEF AT 4
12470 /12470	DEF IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
12560 /12560	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
12740 /12740	DEF AT faunal change (no faunal increase)	DEF AT 4
12855 /12855	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
14720 /14719	DEF AT local marker planktic foram increase	DEF AT 5
14810 /14809	DEF AT faunal change (no faunal increase)	DEF AT 4
15530 /15529	DEF AT local marker foram decrease	POS AT 4
18050 /18049	DEF AT faunal change (no faunal increase)	DEF AT 4
18230 /18229	DEF AT faunal change (no faunal increase)	POS AT 4
19790 /19789	DEF AT local marker benthic foram increase	DEF AT 5
19910 /19909	DEF AT faunal change (no faunal increase)	POS AT 5
20300 /20299	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
20390 /20389	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
20450 /20449	DEF AT faunal change (no faunal increase)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 942	Date of Summary: 01-SEP-2001	First Sample Examined: 9503
Lease Number: G16838	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22998
API Well Number: 608114029300	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9503 - 23000	Water Depth: 6608
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20689 /20688	DEF AT foram flood	DEF IN 6
20690 /20689	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 6
20810 /20809	DEF AT faunal change (no faunal increase)	DEF AT 5
20900 /20899	DEF AT faunal change (no faunal increase)	DEF AT 4
21140 /21139	DEF AT faunal change (no faunal increase)	DEF AT 5
21260 /21259	DEF AT local marker planktic foram increase	DEF AT 5
21385 /21384	DEF AT faunal change (no faunal increase)	POS AT 5
21650 /21649	DEF AT foram flood	DEF AT 5
21680 /21679	DEF AT - - - - -	DEF IN 4
22160 /22159	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
22219 /22218	DEF AT foram flood	DEF IN 6
22220 /22219	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 6
22280 /22279	DEF AT faunal change (no faunal increase)	DEF AT 5
22790 /22788	DEF AT faunal change (no faunal increase)	DEF AT 4
23000 /22998	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 942	Date of Summary: 01-SEP-2001	First Sample Examined: 9503
Lease Number: G16838	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22998
API Well Number: 608114029300	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9503 - 23000	Water Depth: 6608
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, samples were taken at 90-foot intervals above 19355, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9503 / 9503	DEF AT first sample examined	DEF AT
9680 / 9680	DEF AT reworked material	DEF AT
9860 / 9860	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
10040 /10040	DEF AT reworked material	DEF AT
10310 /10310	DEF IN Upper Pleistocene (Ionian) Pseudoemiliana lacunosa	DEF AT
10670 /10670	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12560 /12560	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14090 /14090	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
14449 /14448	POS AT unconformity	DEF AT
14450 /14449	DEF AT local marker floral increase	DEF AT
14720 /14719	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
17330 /17329	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
18050 /18049	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
19790 /19789	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
20390 /20389	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20690 /20689	DEF AT reworked material	DEF AT
21020 /21019	DEF AT reworked material	DEF AT
21170 /21169	DEF AT reworked material	DEF AT
21650 /21649	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
22190 /22189	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22730 /22728	DEF AT reworked material	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 942	<b>Date of Summary:</b> 01-SEP-2001	<b>First Sample Examined:</b> 9503
<b>Lease Number:</b> G16838	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 22998
<b>API Well Number:</b> 608114029300	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9503 - 23000	<b>Water Depth:</b> 6608
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22940 /22938	DEF AT Upper Pliocene (Piacenzian) Cycloperolithus carlae	DEF AT
22970 /22968	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 943	Date of Summary: 10-MAR-2004	First Sample Examined: 22060
Lease Number: G18461	Source of Paleo: OPERATOR	Borehole MD: 30435
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 29500
API Well Number: 608114039701	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 22060 - 30435	Water Depth: 5314
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22060 /21936	DEF AT first sample examined	DEF AT
22061 /21937	DEF IN Eocene	DEF AT
22090 /21963	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22105 /21976	DEF AT base of salt	DEF AT
22210 /22070	POS IN Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
22239 /22096	DEF AT reworked material	DEF AT
22240 /22097	POS AT Eocene	DEF AT
22300 /22150	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22390 /22231	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22510 /22338	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22720 /22526	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
23320 /23059	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
23680 /23380	DEF AT local marker floral decrease	DEF AT
24519 /24126	DEF AT local marker floral increase	DEF AT
24520 /24127	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25900 /25349	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
25930 /25375	DEF AT reworked material	DEF AT
26560 /25940	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
26650 /26021	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26710 /26075	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
27370 /26669	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27910 /27148	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 943	<b>Date of Summary:</b> 10-MAR-2004	<b>First Sample Examined:</b> 22060
<b>Lease Number:</b> G18461	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30435
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 29500
<b>API Well Number:</b> 608114039701	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 22060 - 30435	<b>Water Depth:</b> 5314
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28540 /27707	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
28900 /28037	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
29020 /28148	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
29620 /28715	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
30400 /29466	POS AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
30435 /29500	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 945	Date of Summary: 01-JUL-2009	First Sample Examined: 23500
Lease Number: G32547	Source of Paleo: OPERATOR	Borehole MD: 35955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 35593
API Well Number: 608114055300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 23500 - 35956	Water Depth: 5352
Public Info Code: Y 21-AUG-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23500 /23500	DEF AT first sample examined	DEF AT
23570 /23570	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
23630 /23630	DEF AT reworked material	DEF AT
23780 /23780	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
24290 /24290	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
24530 /24529	DEF AT local marker floral increase	DEF AT
24560 /24559	DEF AT local marker floral decrease	DEF AT
24680 /24679	DEF AT local marker floral increase	DEF AT
24740 /24739	DEF AT local marker floral decrease	DEF AT
25340 /25331	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25520 /25507	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25580 /25565	DEF AT local marker floral decrease	DEF AT
25759 /25738	DEF AT floral flood	DEF AT
25760 /25739	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
25880 /25854	DEF AT local marker floral decrease	DEF AT
26060 /26026	DEF AT floral flood	DEF AT
26120 /26084	DEF AT local marker floral decrease	DEF AT
26690 /26624	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26760 /26690	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
26780 /26709	DEF AT local marker floral decrease	DEF AT
26870 /26793	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
26960 /26878	DEF AT floral flood	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 945  
 Lease Number: G32547  
 Well Name: 001  
 API Well Number: 608114055300  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 21-AUG-2016

Date of Summary: 01-JUL-2009  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 23500 - 35956  
 Ecozone Eq MMS:

First Sample Examined: 23500  
 Borehole MD: 35955  
 Borehole TVD: 35593  
 Rkb Elevation: 92  
 Water Depth: 5352  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26990 /26906	DEF AT local marker floral decrease	DEF AT
27020 /26935	DEF AT local marker floral increase	DEF AT
27050 /26963	DEF AT local marker floral decrease	DEF AT
27080 /26991	DEF AT floral flood	DEF AT
27110 /27019	DEF AT local marker floral decrease	DEF AT
27200 /27104	DEF AT local marker floral increase	DEF AT
27230 /27132	DEF AT local marker floral decrease	DEF AT
27589 /27470	DEF AT floral flood	DEF AT
27590 /27471	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
27740 /27612	DEF AT local marker floral decrease	DEF AT
27970 /27829	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
28030 /27885	DEF AT local marker floral decrease	DEF AT
28210 /28055	DEF AT local marker floral increase	DEF AT
28240 /28083	DEF AT floral flood	DEF AT
28330 /28167	DEF AT local marker floral decrease	DEF AT
28390 /28224	DEF AT local marker floral increase	DEF AT
28450 /28280	DEF AT floral flood	DEF AT
28720 /28533	DEF AT local marker floral decrease	DEF AT
28750 /28562	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
28780 /28590	DEF AT local marker floral decrease	DEF AT
28810 /28618	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
28840 /28646	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
28900 /28702	DEF AT local marker floral decrease	DEF AT
28930 /28730	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 945	<b>Date of Summary:</b> 01-JUL-2009	<b>First Sample Examined:</b> 23500
<b>Lease Number:</b> G32547	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 35955
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 35593
<b>API Well Number:</b> 608114055300	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 23500 - 35956	<b>Water Depth:</b> 5352
<b>Public Info Code:</b> Y 21-AUG-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28960 /28759	DEF AT floral flood	DEF AT
28990 /28787	DEF AT local marker floral decrease	DEF AT
29020 /28815	DEF AT local marker floral increase	DEF AT
29050 /28843	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
29079 /28870	DEF AT floral flood	DEF AT
29080 /28871	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
29110 /28899	DEF AT local marker floral decrease	DEF AT
29200 /28984	DEF AT reworked material	DEF AT
29470 /29237	DEF AT floral flood	DEF AT
29500 /29265	DEF AT local marker floral decrease	DEF AT
29530 /29294	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
29560 /29322	DEF AT floral flood	DEF AT
29650 /29407	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
29710 /29463	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
29740 /29491	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
29890 /29632	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
29920 /29661	DEF AT floral flood	DEF AT
30190 /29915	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
30430 /30141	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
30850 /30540	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
31210 /30889	DEF AT floral flood	DEF AT
31480 /31153	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
31510 /31182	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT
31690 /31359	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 945  
 Lease Number: G32547  
 Well Name: 001  
 API Well Number: 608114055300  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 21-AUG-2016

Date of Summary: 01-JUL-2009  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 23500 - 35956  
 Ecozone Eq MMS:

First Sample Examined: 23500  
 Borehole MD: 35955  
 Borehole TVD: 35593  
 Rkb Elevation: 92  
 Water Depth: 5352  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31750 /31418	DEF AT floral flood	DEF AT
31840 /31507	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
31870 /31537	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
32080 /31743	DEF AT floral flood	DEF AT
32109 /31771	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
32110 /31772	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF AT
32440 /32096	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
32530 /32184	DEF AT local marker floral decrease	DEF AT
32890 /32539	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
33400 /33044	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
33550 /33193	DEF AT local marker floral decrease	DEF AT
34090 /33731	DEF AT local marker floral increase	DEF AT
34120 /33761	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
34150 /33791	DEF AT local marker floral decrease	DEF AT
34240 /33881	POS AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
34390 /34031	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
34450 /34091	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
34510 /34151	DEF AT local marker floral decrease	DEF AT
34630 /34271	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
34870 /34511	POS AT local marker floral increase	DEF AT
34900 /34541	DEF AT local marker floral decrease	DEF AT
34930 /34571	POS AT local marker floral increase	DEF AT
34960 /34601	DEF AT local marker floral decrease	DEF AT
35020 /34660	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 945	<b>Date of Summary:</b> 01-JUL-2009	<b>First Sample Examined:</b> 23500
<b>Lease Number:</b> G32547	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 35955
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 35593
<b>API Well Number:</b> 608114055300	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 23500 - 35956	<b>Water Depth:</b> 5352
<b>Public Info Code:</b> Y 21-AUG-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
35050 /34690	DEF AT local marker floral decrease	DEF AT
35200 /34840	DEF AT local marker floral increase	DEF AT
35230 /34870	DEF AT local marker floral decrease	DEF AT
35800 /35438	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
35830 /35468	DEF AT drilling material	DEF AT
35955 /35593	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 945	Date of Summary: 01-OCT-2009	First Sample Examined: 29692
Lease Number: G32547	Source of Paleo: OPERATOR	Borehole MD: 35955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 35593
API Well Number: 608114055300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 29692 - 35955	Water Depth: 5352
Public Info Code: Y 21-AUG-2016	Ecozone Eq MMS:	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29692 /29446	DEF AT first sample examined	DEF AT 6
29709 /29462	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 6
29710 /29463	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
29829 /29575	DEF AT foram flood	DEF AT 6
29830 /29576	DEF AT local marker planktic foram increase	DEF AT 6
29980 /29717	DEF AT local marker foram decrease	DEF AT 6
30100 /29830	DEF AT local marker benthic foram increase	DEF AT 6
30190 /29915	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
30340 /30056	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
30370 /30085	DEF AT foram flood	DEF AT 6
30850 /30540	DEF AT sand	DEF AT 5
30880 /30569	DEF AT local marker foram increase	DEF AT 6
31150 /30831	POS AT reworked material	DEF AT 6
31240 /30918	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 6
31420 /31094	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
31540 /31212	DEF AT pyrite	DEF AT 6
31810 /31478	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 6
31840 /31507	POS AT radiolarians	DEF AT 6
31870 /31537	DEF AT local marker foram decrease	DEF AT 6
31900 /31566	DEF AT sample gap top	POS AT 6
31989 /31654	DEF AT sample gap bottom	DEF AT 6
31990 /31655	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 945  
Lease Number: G32547  
Well Name: 001  
API Well Number: 608114055300  
Paleo Report Num: 2 of 2  
Public Info Code: Y 21-AUG-2016

Date of Summary: 01-OCT-2009  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 29692 - 35955  
Ecozone Eq MMS:

First Sample Examined: 29692  
Borehole MD: 35955  
Borehole TVD: 35593  
Rkb Elevation: 92  
Water Depth: 5352  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32080 /31743	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
32140 /31802	DEF AT pyrite	DEF AT 6
32350 /32007	DEF AT radiolarians	DEF AT 6
32470 /32125	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
32500 /32155	DEF AT - - - - -	DEF AT 6
32530 /32184	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 6
32770 /32421	DEF AT pyrite	DEF AT 6
33309 /32954	DEF AT pyrite	DEF AT 6
33310 /32955	POS AT Arenaceous fauna (local marker)	DEF AT 6
33760 /33402	DEF AT - - - - -	POS AT 6
33850 /33492	DEF AT radiolarians	DEF AT 6
34210 /33851	DEF AT radiolarians	DEF AT 6
34360 /34001	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 6
34390 /34031	DEF AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 6
34420 /34061	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 6
34509 /34150	DEF AT siltstone	DEF AT 6
34510 /34151	DEF AT Bathysiphon fauna	DEF AT 6
34540 /34181	DEF AT turbid water facies	POS AT 6
34630 /34271	DEF AT - - - - -	DEF AT 6
34690 /34331	DEF AT cement	DEF AT 6
34780 /34421	DEF AT - - - - -	DEF AT 6
34840 /34481	DEF AT - - - - -	DEF AT 6
35079 /34719	DEF AT pyrite	DEF AT 6
35080 /34720	DEF AT Bathysiphon fauna	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 945	<b>Date of Summary:</b> 01-OCT-2009	<b>First Sample Examined:</b> 29692
<b>Lease Number:</b> G32547	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 35955
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 35593
<b>API Well Number:</b> 608114055300	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 29692 - 35955	<b>Water Depth:</b> 5352
<b>Public Info Code:</b> Y 21-AUG-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
35830 /35468	DEF AT drilling material	DEF AT 6
35955 /35593	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 949	Date of Summary: 13-OCT-2007	First Sample Examined: 20370
Lease Number: G23005	Source of Paleo: OPERATOR	Borehole MD: 26130
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26129
API Well Number: 608114049600	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 20370 - 26130	Water Depth: 5372
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Corona Del Mar Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
20370 /20370	DEF AT first sample examined	DEF AT
20490 /20490	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20760 /20760	DEF AT local marker floral decrease	DEF AT
21180 /21180	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21300 /21300	DEF AT local marker floral increase	DEF AT
22950 /22950	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22980 /22980	DEF AT local marker floral increase	DEF AT
23340 /23340	DEF AT local marker floral decrease	DEF AT
23459 /23459	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
23460 /23460	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
23670 /23670	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23730 /23730	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
24300 /24300	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24419 /24419	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
24420 /24420	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24570 /24570	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24720 /24720	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24990 /24990	POS AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
25290 /25290	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
25500 /25500	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25620 /25620	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
25740 /25740	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 949	<b>Date of Summary:</b> 13-OCT-2007	<b>First Sample Examined:</b> 20370
<b>Lease Number:</b> G23005	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26130
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 26129
<b>API Well Number:</b> 608114049600	<b>Drilling Operator:</b> WOODSIDE ENERGY USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20370 - 26130	<b>Water Depth:</b> 5372
<b>Public Info Code:</b> Y 19-NOV-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26130 /26129	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 949	Date of Summary: 30-OCT-2007	First Sample Examined: 20370
Lease Number: G23005	Source of Paleo: OPERATOR	Borehole MD: 26130
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 26129
API Well Number: 608114049600	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20370 - 26130	Water Depth: 5372
Public Info Code: Y 19-NOV-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Corona Del Mar Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20370 /20370	DEF AT first sample examined	DEF AT 4
20430 /20430	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
20640 /20640	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 4
20970 /20970	DEF AT - - - - -	DEF AT 4
21240 /21240	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
21570 /21570	DEF AT local marker planktic foram increase	DEF AT 4
21630 /21630	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
22078 /22078	DEF AT Eggerella sp. (local marker)	POS AT 4
22079 /22079	DEF AT Cyclammina cancellata (local marker)	POS AT 4
22080 /22080	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	POS AT 4
22620 /22620	DEF AT siltstone	POS AT 4
22650 /22650	DEF AT Bathysiphon fauna	POS AT 4
23280 /23280	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	POS AT 4
23340 /23340	DEF AT Arenaceous fauna (local marker)	POS AT 4
23430 /23430	DEF AT Upper Miocene (Tortonian) Uvigerina 3	POS AT 4
23490 /23490	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 4
23699 /23699	DEF AT Cyclammina sp. (local marker)	DEF AT 4
23700 /23700	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
23790 /23790	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
23820 /23820	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
23940 /23940	DEF AT Bathysiphon fauna	DEF AT 4
24030 /24030	DEF AT Eggerella sp. (local marker)	POS AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 949  
Lease Number: G23005  
Well Name: 001  
API Well Number: 608114049600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 19-NOV-2012

Date of Summary: 30-OCT-2007  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: WOODSIDE ENERGY USA INC  
Sample Range: 20370 - 26130  
Ecozone Eq MMS: Y

First Sample Examined: 20370  
Borehole MD: 26130  
Borehole TVD: 26129  
Rkb Elevation: 82  
Water Depth: 5372  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24270 /24270	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 4
24690 /24690	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	POS AT 4
24888 /24888	POS AT local marker foram increase	DEF AT 4
25020 /25020	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
25050 /25050	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
25260 /25260	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25740 /25740	DEF AT local marker deep water fauna	DEF AT 5
25800 /25800	DEF AT - - - - -	DEF AT 4
25860 /25860	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
26100 /26099	DEF AT Bathysiphon fauna	POS AT 4
26130 /26129	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 953	Date of Summary: 02-JAN-2008	First Sample Examined: 18060
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22276
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 18060 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18060 /18059	DEF AT first sample examined	DEF AT
18061 /18060	DEF IN gouge	DEF AT
18239 /18238	DEF AT reworked material	DEF AT
18240 /18239	POS IN Upper Miocene (Tortonian) <i>Catinaster mexicanus</i>	DEF AT
18600 /18599	DEF IN Lower Pliocene (Zanclian) <i>Amaurolithus tricorniculatus</i>	DEF AT
19079 /19078	DEF AT reworked material	DEF AT
19080 /19079	DEF AT local marker floral increase	DEF AT
19440 /19439	DEF AT Upper Miocene (Tortonian) <i>Discoaster berggrenii "C"</i>	DEF AT
19740 /19739	DEF AT Upper Miocene (Tortonian) <i>Discoaster neohamatus</i>	DEF AT
20310 /20309	DEF AT Upper Miocene (Tortonian) <i>Minylitha convallis</i>	DEF AT
20610 /20609	DEF AT Upper Miocene (Tortonian) <i>Catinaster mexicanus</i>	DEF AT
21060 /21059	DEF AT reworked material	DEF AT
21116 /21115	DEF AT unconformity	DEF AT
21117 /21116	DEF AT Upper Miocene (Tortonian) <i>Coccolithus miopelagicus</i>	DEF AT
21118 /21117	DEF AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT
21119 /21118	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
21120 /21119	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
21150 /21149	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus (acme)</i>	DEF AT
21179 /21178	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei (acme)</i>	DEF AT
21180 /21179	DEF AT Lower Miocene (Burdigalian) <i>Reticulofenestra gartneri</i>	DEF AT
21840 /21839	DEF AT Lower Miocene (Burdigalian) <i>Orthorhabdus serratus</i>	DEF AT
22110 /22109	DEF AT Lower Miocene (Burdigalian) <i>Triquetrorhabdulus carinatus</i>	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 953	<b>Date of Summary:</b> 02-JAN-2008	<b>First Sample Examined:</b> 18060
<b>Lease Number:</b> G20113	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22277
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 22276
<b>API Well Number:</b> 608114050000	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18060 - 22277	<b>Water Depth:</b> 4811
<b>Public Info Code:</b> Y 04-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22260 /22259	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
22277 /22276	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 953	Date of Summary: 01-MAR-2008	First Sample Examined: 18313
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22276
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 18313 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18313 /18312	DEF AT first sample examined	POS AT 5
18360 /18359	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18420 /18419	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
18720 /18719	DEF AT local marker foram decrease	DEF AT 5
19620 /19619	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
19830 /19829	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 6
19950 /19949	DEF AT -----	DEF AT 6
20069 /20068	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 6
20070 /20069	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 6
20130 /20129	DEF AT -----	DEF AT 5
20310 /20309	DEF AT -----	DEF AT 4
20430 /20429	DEF AT transported outer shelf facies	DEF AT 4
20549 /20548	DEF AT Bathysiphon fauna	DEF AT 5
20550 /20549	DEF AT Arenaceous fauna (local marker)	DEF AT 5
20730 /20729	DEF AT -----	DEF AT 4
20910 /20909	DEF AT -----	DEF AT 5
20970 /20969	DEF AT limestone	DEF AT 5
21029 /21028	DEF AT unconformity	DEF AT 5
21030 /21029	DEF AT radiolarians	DEF AT 5
21069 /21068	POS AT out-of-place section	DEF AT 5
21390 /21389	POS AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
21479 /21478	DEF AT Arenaceous fauna (local marker)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 953  
 Lease Number: G20113  
 Well Name: 001  
 API Well Number: 608114050000  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 04-JUL-2008

Date of Summary: 01-MAR-2008  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
 Sample Range: 18313 - 22277  
 Ecozone Eq MMS: Y

First Sample Examined: 18313  
 Borehole MD: 22277  
 Borehole TVD: 22276  
 Rkb Elevation: 79  
 Water Depth: 4811  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21480 /21479	POS IN Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
21720 /21719	DEF AT -----	DEF AT 4
22110 /22109	DEF AT -----	DEF AT 5
22198 /22197	POS AT condensed section	DEF AT 5
22199 /22198	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
22200 /22199	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
22277 /22276	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 955	Date of Summary: 09-FEB-2000	First Sample Examined: 8280
Lease Number: G20114	Source of Paleo: OPERATOR	Borehole MD: 13420
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13207
API Well Number: 608114027100	Drilling Operator: STATOIL EXPLORATION US INC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 8280 - 13418	Water Depth: 6647
Public Info Code: Y 28-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
8280 / 8280	DEF AT first sample examined	POS AT 4
8281 / 8281	POS IN Holocene Globorotalia inflata	POS AT 4
8760 / 8760	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
8820 / 8820	DEF AT -----	DEF IN 4
8940 / 8940	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
9090 / 9090	DEF AT local marker planktic foram increase	DEF IN 4
9300 / 9300	DEF AT -----	POS AT 4
9510 / 9510	DEF AT sample gap top	POS AT 4
10410 /10407	DEF AT sample gap bottom	POS AT 4
11580 /11530	DEF AT -----	DEF IN 4
11789 /11722	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
11790 /11723	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
11850 /11778	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
11910 /11833	DEF AT -----	DEF IN 4
12330 /12218	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
12450 /12327	DEF AT local marker benthic foram increase	DEF IN 4
13348 /13141	DEF AT local marker planktic foram increase	DEF IN 4
13349 /13142	DEF AT gypsum	DEF IN 4
13350 /13143	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
13418 /13205	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 955	<b>Date of Summary:</b> 12-FEB-2007	<b>First Sample Examined:</b> 19190
<b>Lease Number:</b> G20114	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26536
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26534
<b>API Well Number:</b> 608114047700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19190 - 26536	<b>Water Depth:</b> 7278
<b>Public Info Code:</b> Y 28-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sognelfjord Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19190 /19188	DEF AT first sample examined	DEF IN 3
19280 /19278	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 3
20120 /20118	DEF AT - - - - -	DEF AT 4
20480 /20478	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
20989 /20987	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
20990 /20988	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
21020 /21018	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21080 /21078	DEF AT - - - - -	DEF AT 4
21710 /21708	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21828 /21826	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21829 /21827	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
21830 /21828	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
22010 /22008	DEF AT - - - - -	DEF AT 4
22250 /22248	DEF AT - - - - -	DEF IN 5
22460 /22458	DEF AT - - - - -	DEF AT 4
22780 /22778	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 4
24349 /24347	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	POS AT 4
24350 /24348	DEF AT Lower Miocene (Aquitanean) Sphenolithus dissimilis	POS AT 4
24708 /24706	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 4
24709 /24707	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 4
24710 /24708	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 955	Date of Summary: 12-FEB-2007	First Sample Examined: 19190
Lease Number: G20114	Source of Paleo: OPERATOR	Borehole MD: 26536
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26534
API Well Number: 608114047700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 19190 - 26536	Water Depth: 7278
Public Info Code: Y 28-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24740 /24738	POS AT Lower Miocene (Aquitainian) Globorotalia kugleri	POS AT 4
24800 /24798	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	POS AT 4
24830 /24828	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	POS AT 4
24860 /24858	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	POS AT 4
24949 /24947	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	POS AT 4
24950 /24948	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	POS AT 4
25040 /25038	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	POS AT 4
25129 /25127	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	POS AT 4
25130 /25128	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	POS AT 4
25219 /25217	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	POS AT 4
25220 /25218	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	POS AT 4
25250 /25248	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	POS AT 4
25279 /25277	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	POS AT 4
25280 /25278	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	POS AT 4
25340 /25338	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	POS AT 4
25370 /25368	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	POS AT 4
25460 /25458	DEF AT radiolarians	POS AT 4
25520 /25518	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	POS AT 4
26210 /26208	POS AT Lower Eocene (Ypresian) Toweius crassus	POS AT 4
26330 /26328	POS AT Upper Paleocene (Thanetian) Toweius eminens	POS AT 4
26536 /26534	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 955	Date of Summary: 02-APR-2007	First Sample Examined: 19460
Lease Number: G20114	Source of Paleo: OPERATOR	Borehole MD: 26758
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25542
API Well Number: 608114047701	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 19460 - 26758	Water Depth: 7278
Public Info Code: Y 28-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Sognelfjord Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19460 /19190	DEF AT first sample examined	DEF IN 5
19570 /19276	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
19930 /19560	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
20589 /20077	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
20590 /20078	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF IN 5
20860 /20292	DEF AT - - - - -	DEF AT 4
21940 /21148	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21970 /21172	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
22300 /21432	DEF AT - - - - -	DEF AT 5
22780 /21813	DEF AT - - - - -	DEF AT 4
23710 /22578	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
23980 /22818	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
24280 /23094	DEF AT - - - - -	DEF AT 5
24340 /23151	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
24910 /23699	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
25480 /24265	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
25599 /24384	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
25600 /24385	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
25780 /24565	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25809 /24594	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
25810 /24595	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 955	<b>Date of Summary:</b> 02-APR-2007	<b>First Sample Examined:</b> 19460
<b>Lease Number:</b> G20114	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26758
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 25542
<b>API Well Number:</b> 608114047701	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19460 - 26758	<b>Water Depth:</b> 7278
<b>Public Info Code:</b> Y 28-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26590 /25374	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
26620 /25404	DEF AT out-of-place section	DEF AT 5
26709 /25493	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
26710 /25494	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 5
26740 /25524	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
26758 /25542	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> GC 955	<b>Date of Summary:</b> 08-DEC-2008	<b>First Sample Examined:</b> 19430
<b>Lease Number:</b> G31770	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24753
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24072
<b>API Well Number:</b> 608114047702	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19430 - 24753	<b>Water Depth:</b> 7278
<b>Public Info Code:</b> Y 18-MAR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19430 /19237	DEF AT first sample examined	DEF AT 4
19580 /19374	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
19610 /19401	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
19700 /19483	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
19820 /19593	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
20540 /20230	POS AT maximum flooding surface	DEF AT 4
20660 /20331	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
20900 /20531	POS AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT 4
20930 /20556	POS AT maximum flooding surface	DEF AT 4
20990 /20605	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
21050 /20653	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
21260 /20823	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21710 /21187	POS AT maximum flooding surface	DEF AT 4
21770 /21236	POS AT local marker benthic foram increase	DEF AT 5
22789 /22125	POS AT maximum flooding surface	DEF AT 5
22790 /22126	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
22850 /22183	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
23059 /22386	POS AT maximum flooding surface	DEF AT 5
23060 /22387	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23120 /22446	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
23360 /22682	DEF AT local marker floral increase	DEF AT 5
23599 /22920	POS AT maximum flooding surface	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 955	<b>Date of Summary:</b> 08-DEC-2008	<b>First Sample Examined:</b> 19430
<b>Lease Number:</b> G31770	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24753
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24072
<b>API Well Number:</b> 608114047702	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19430 - 24753	<b>Water Depth:</b> 7278
<b>Public Info Code:</b> Y 18-MAR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23600 /22921	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
23629 /22949	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
23630 /22950	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
23660 /22980	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 5
24753 /24072	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GC 1001	<b>Date of Summary:</b> 12-MAR-2002	<b>First Sample Examined:</b> 11273
<b>Lease Number:</b> G21823	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16126
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15291
<b>API Well Number:</b> 608114029500	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11273 - 16090	<b>Water Depth:</b> 7729
<b>Public Info Code:</b> Y 21-MAY-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11273 /11273	DEF AT first sample examined	DEF AT 5
13150 /12965	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
13210 /13012	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
14890 /14323	POS AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF AT 5
15040 /14440	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15490 /14791	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16090 /15262	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 1001	Date of Summary: 12-MAR-2002	First Sample Examined: 11273
Lease Number: G21823	Source of Paleo: OPERATOR	Borehole MD: 16126
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15291
API Well Number: 608114029500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 11273 - 16090	Water Depth: 7729
Public Info Code: Y 21-MAY-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11273 /11273	DEF AT first sample examined	DEF AT
13120 /12942	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
13750 /13431	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14890 /14323	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
15430 /14745	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15460 /14768	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16090 /15262	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 1001	Date of Summary: 12-MAR-2002	First Sample Examined: 15498
Lease Number: G21823	Source of Paleo: OPERATOR	Borehole MD: 19430
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17501
API Well Number: 608114029502	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 15498 - 19430	Water Depth: 7729
Public Info Code: Y 21-MAY-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15498 /14797	DEF AT first sample examined	DEF AT 5
16010 /15195	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16600 /15665	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16750 /15784	POS IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
17350 /16239	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
17950 /16598	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
18070 /16666	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
18190 /16736	DEF AT -----	DEF AT 6
18220 /16754	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
18460 /16896	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
18580 /16968	DEF AT -----	DEF AT 5
18700 /17041	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
18850 /17133	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
18910 /17170	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
18940 /17188	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 5
19430 /17501	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GC 1001	Date of Summary: 12-MAR-2002	First Sample Examined: 15498
Lease Number: G21823	Source of Paleo: OPERATOR	Borehole MD: 19430
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17501
API Well Number: 608114029502	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 15498 - 19430	Water Depth: 7729
Public Info Code: Y 21-MAY-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15498 /14797	DEF AT first sample examined	DEF AT
16010 /15195	DEF AT out-of-place section	DEF AT
16040 /15219	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16070 /15243	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16270 /15402	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16510 /15593	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16690 /15737	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
17320 /16218	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
17920 /16581	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18070 /16666	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
18160 /16718	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
18220 /16754	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
18520 /16932	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
18610 /16987	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
18790 /17096	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
18820 /17115	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
18850 /17133	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
18940 /17188	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
19090 /17282	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
19430 /17501	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 20  
 Lease Number: G03596  
 Well Name: B001  
 API Well Number: 177174043300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 22-FEB-2009

Date of Summary: 01-NOV-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR OFFSHORE INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12535  
 Borehole TVD: 12163  
 Rkb Elevation: 116  
 Water Depth: 77  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10157	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12500 /12128	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 20  
 Lease Number: G22772  
 Well Name: B002  
 API Well Number: 177174043400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 11-NOV-2011

Date of Summary: 07-DEC-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: BP EXPLORATION & PRODUCTION INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13860  
 Borehole TVD: 12134  
 Rkb Elevation: 117  
 Water Depth: 77  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12100 /10960	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13000 /11566	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 26	Date of Summary: 29-AUG-1991	First Sample Examined: 9060
Lease Number: 00390	Source of Paleo: OPERATOR	Borehole MD: 10050
Well Name: CB002	Paleo Done By: OPERATOR	Borehole TVD: 9831
API Well Number: 177170030001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 59
Paleo Report Num: 1 of 1	Sample Range: 7800 - 10053	Water Depth: 48
Public Info Code: Y 09-FEB-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9060 / 9006	DEF AT first sample examined	DEF AT 1
9300 / 9220	DEF AT poor sample interval top	POS AT 1
9390 / 9298	DEF AT poor sample interval bottom	DEF AT 1
9450 / 9348	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
9600 / 9472	DEF AT -----	DEF AT 1
9690 / 9546	DEF AT -----	DEF AT 2
10053 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 28	Date of Summary: 14-DEC-1999	First Sample Examined: 0
Lease Number: G18063	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13498
API Well Number: 177174042100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 59
Public Info Code: Y 25-MAY-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11620 /11618	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 30	Date of Summary: 12-NOV-1999	First Sample Examined: 0
Lease Number: G18064	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11100
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11099
API Well Number: 177174041900	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 73
Public Info Code: Y 10-JUN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8050 / 8049	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8900 / 8899	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
9450 / 9449	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
10040 /10039	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 30  
Lease Number: G18064  
Well Name: A001  
API Well Number: 177174041500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 10-JUN-2003

Date of Summary: 29-DEC-1999  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: EL PASO PRODUCTION GOM INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 13300  
Borehole TVD: 13299  
Rkb Elevation: 101  
Water Depth: 77  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6900 / 6900	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8070 / 8070	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8920 / 8920	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
9500 / 9500	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
10100 /10100	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 30  
 Lease Number: G18065  
 Well Name: A002  
 API Well Number: 177174041800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 07-JAN-2004

Date of Summary: 24-JAN-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: EL PASO PRODUCTION GOM INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14400  
 Borehole TVD: 13036  
 Rkb Elevation: 101  
 Water Depth: 77  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8100 / 7698	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8910 / 8389	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
9450 / 8848	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
10070 / 9367	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 37	<b>Date of Summary:</b> 20-AUG-1995	<b>First Sample Examined:</b> 11590
<b>Lease Number:</b> 00392	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14900
<b>Well Name:</b> Y028	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13636
<b>API Well Number:</b> 177174028501	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11590 - 14900	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 21-MAR-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report, 14780=Gyroidina scalata

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11590 /11180	DEF AT first sample examined	DEF AT 1
12290 /11780	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 3
12440 /11887	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
13310 /12503	DEF AT local marker foram decrease	POS AT 2
13490 /12630	DEF AT - - - - -	DEF AT 1
13640 /12699	DEF AT local marker foram decrease	POS AT 1
14240 /13132	DEF AT - - - - -	DEF AT 2
14300 /13176	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 2
14360 /13222	DEF AT - - - - -	DEF AT 1
14780 /13543	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
14900 /13636	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 40	Date of Summary: 21-SEP-1994	First Sample Examined: 0
Lease Number: 00128	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12840
Well Name: G010	Paleo Done By: OPERATOR	Borehole TVD: 12148
API Well Number: 177174037200	Drilling Operator: CONOCO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 18-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11292 /10884	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 41	Date of Summary: 10-MAY-2000	First Sample Examined: 4560
Lease Number: 00130	Source of Paleo: OPERATOR	Borehole MD: 17504
Well Name: 008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17500
API Well Number: 177174042400	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 90
Paleo Report Num: 1 of 2	Sample Range: 4560 - 17504	Water Depth: 84
Public Info Code: Y 14-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4560 / 4560	DEF AT first sample examined	DEF AT 1
4980 / 4980	DEF AT - - - - -	DEF AT 2
5040 / 5040	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
7350 / 7349	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
8760 / 8759	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
9210 / 9209	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
10470 /10469	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
11250 /11249	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 3
11430 /11429	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 4
13260 /13259	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
15570 /15568	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
16830 /16826	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
16950 /16946	DEF AT - - - - -	DEF AT 5
17504 /17498	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 41	Date of Summary: 30-MAY-2000	First Sample Examined: 4560
Lease Number: 00130	Source of Paleo: OPERATOR	Borehole MD: 17504
Well Name: 008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17500
API Well Number: 177174042400	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 90
Paleo Report Num: 2 of 2	Sample Range: 4560 - 17504	Water Depth: 84
Public Info Code: Y 14-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4560 / 4560	DEF AT first sample examined	DEF AT
4561 / 4561	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8460 / 8459	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9510 / 9509	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11760 /11759	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13290 /13289	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16140 /16137	POS IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16170 /16167	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17504 /17498	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 45  
 Lease Number: G16461  
 Well Name: A001  
 API Well Number: 177174039400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 29-JUN-2007

Date of Summary: 28-SEP-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: PETSEC ENERGY INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14504  
 Borehole TVD: 14042  
 Rkb Elevation: 91  
 Water Depth: 110  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3990 / 3990	POS AT Pliocene	DEF AT
11008 /11006	POS AT Upper (Late) Miocene	DEF AT
11844 /11823	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12929 /12761	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 55	Date of Summary: 10-DEC-1991	First Sample Examined: 0
Lease Number: G09676	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15208
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12311
API Well Number: 177174032100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 148
Public Info Code: Y 03-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6750 / 6750	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8400 / 8336	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
13500 / 11543	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 55	Date of Summary: 25-MAY-1994	First Sample Examined: 0
Lease Number: G09676	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14644
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12768
API Well Number: 177174034700	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 148
Public Info Code: Y 05-JUN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10710 / 9433	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 63  
Lease Number: G14555  
Well Name: A001  
API Well Number: 177174041100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 18-SEP-2002

Date of Summary: 01-APR-1999  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: WALTER OIL & GAS CORPORATION  
Sample Range: 19000 - 20350  
Ecozone Eq MMS: Y

First Sample Examined: 19000  
Borehole MD: 20361  
Borehole TVD: 18825  
Rkb Elevation: 93  
Water Depth: 116  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19000 /17712	DEF AT first sample examined	DEF IN 3
19001 /17712	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 3
19090 /17786	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 3
19270 /17933	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
19630 /18230	DEF AT sand	DEF IN 3
19870 /18427	DEF AT local marker foram increase	DEF IN 3
19930 /18476	DEF AT local marker planktic foram increase	DEF IN 3
20289 /18767	DEF AT pyrite	POS AT 4
20290 /18768	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	POS AT 4
20350 /18816	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 65	Date of Summary: 15-SEP-1997	First Sample Examined: 0
Lease Number: G08730	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16287
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16101
API Well Number: 177174039800	Drilling Operator: NIPPON OIL EXPLORATION GULF	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 138
Public Info Code: Y 08-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9452 / 9445	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 65	Date of Summary: 14-JUN-1996	First Sample Examined: 0
Lease Number: G08730	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16630
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14111
API Well Number: 177174038500	Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 08-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7890 / 6170	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11910 / 9429	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
13950 / 11443	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
16050 / 13536	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 90	<b>Date of Summary:</b> 30-SEP-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G04003	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12766
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11427
<b>API Well Number:</b> 177184005401	<b>Drilling Operator:</b> MOBIL EXPLORATION AND PRODUCIN	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 218
<b>Public Info Code:</b> Y 09-SEP-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10710 /10102	POS AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
12120 /11018	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
12390 /11187	DEF AT local marker benthic foram increase	DEF AT
12418 /11204	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 90	Date of Summary: 14-DEC-2004	First Sample Examined: 12170
Lease Number: G04003	Source of Paleo: OPERATOR	Borehole MD: 21300
Well Name: A007	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18027
API Well Number: 177184010700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 132
Paleo Report Num: 1 of 2	Sample Range: 12170 - 21300	Water Depth: 220
Public Info Code: Y 23-FEB-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12170 /10953	DEF AT first sample examined	DEF IN 1
12320 /11075	DEF AT Cyclammina cancellata (local marker)	DEF AT 2
13100 /11701	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
13270 /11838	DEF AT - - - - -	DEF IN 1
13840 /12295	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
14230 /12611	DEF AT Arenaceous fauna (local marker)	DEF AT 2
14380 /12733	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 3
14470 /12807	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
14560 /12881	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
14680 /12978	DEF AT local marker foram decrease	DEF IN 2
14890 /13147	DEF AT local marker benthic foram increase	DEF AT 3
14980 /13219	DEF AT local marker foram decrease	DEF IN 2
15040 /13267	POS AT local marker foram increase	DEF AT 3
15100 /13315	DEF AT local marker foram decrease	DEF IN 2
15610 /13733	POS AT Arenaceous fauna (local marker)	DEF IN 2
15730 /13831	DEF AT - - - - -	DEF AT 3
15820 /13905	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
15880 /13954	DEF AT local marker foram decrease	DEF AT 2
16000 /14051	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT 2
16150 /14172	DEF AT local marker benthic foram increase	DEF AT 2
16210 /14220	DEF AT local marker foram decrease	DEF IN 2
16330 /14316	DEF AT local marker benthic foram increase	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 90	<b>Date of Summary:</b> 14-DEC-2004	<b>First Sample Examined:</b> 12170
<b>Lease Number:</b> G04003	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21300
<b>Well Name:</b> A007	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18027
<b>API Well Number:</b> 177184010700	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 132
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12170 - 21300	<b>Water Depth:</b> 220
<b>Public Info Code:</b> Y 23-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16480 /14436	DEF AT local marker foram decrease	DEF AT 3
16960 /14807	DEF AT foram flood	DEF IN 3
16989 /14828	DEF AT local marker foram decrease	DEF IN 3
16990 /14829	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
17230 /15003	DEF AT local marker benthic foram increase	DEF IN 2
17350 /15088	DEF AT local marker foram decrease	DEF AT 3
17500 /15192	DEF AT Arenaceous fauna (local marker)	DEF AT 3
17530 /15213	DEF AT local marker foram decrease	DEF IN 2
18669 /15985	DEF AT pyrite	DEF IN 2
18670 /15986	DEF AT local marker benthic foram increase	DEF IN 2
19030 /16245	DEF AT local marker benthic foram increase	DEF AT 3
19150 /16334	DEF AT local marker foram decrease	DEF AT 3
19270 /16425	DEF AT siltstone	DEF AT 2
19420 /16540	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 3
19450 /16563	DEF AT local marker foram decrease	DEF AT 3
19540 /16632	DEF AT local marker benthic foram increase	DEF AT 3
19570 /16654	DEF AT local marker foram decrease	DEF AT 3
19690 /16745	DEF AT local marker benthic foram increase	DEF AT 3
19720 /16768	DEF AT local marker foram decrease	DEF AT 3
19840 /16860	DEF AT Arenaceous fauna (local marker)	DEF AT 3
19870 /16883	DEF AT local marker foram decrease	DEF AT 3
19930 /16929	DEF AT local marker benthic foram increase	DEF AT 3
19960 /16952	DEF AT local marker foram decrease	DEF AT 3
20020 /16999	POS AT local marker benthic foram increase	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 90  
 Lease Number: G04003  
 Well Name: A007  
 API Well Number: 177184010700  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 23-FEB-2015

Date of Summary: 14-DEC-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: BP EXPLORATION & PRODUCTION INC  
 Sample Range: 12170 - 21300  
 Ecozone Eq MMS: Y

First Sample Examined: 12170  
 Borehole MD: 21300  
 Borehole TVD: 18027  
 Rkb Elevation: 132  
 Water Depth: 220  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20110 /17069	DEF AT local marker foram decrease	DEF IN 2
20920 /17715	DEF AT local marker benthic foram increase	DEF AT 3
21040 /17814	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
21070 /17838	DEF AT local marker foram decrease	DEF AT 3
21130 /17887	DEF AT Arenaceous fauna (local marker)	DEF AT 3
21266 /17999	DEF AT local marker benthic foram increase	DEF AT 3
21300 /18027	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 90	<b>Date of Summary:</b> 29-DEC-2004	<b>First Sample Examined:</b> 14650
<b>Lease Number:</b> G04003	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21300
<b>Well Name:</b> A007	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18027
<b>API Well Number:</b> 177184010700	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 132
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14650 - 21300	<b>Water Depth:</b> 220
<b>Public Info Code:</b> Y 23-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14650 /12954	DEF AT first sample examined	DEF AT
14651 /12955	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15130 /13339	DEF AT local marker floral increase	DEF AT
15190 /13388	DEF AT local marker floral decrease	DEF AT
15550 /13684	POS AT local marker floral increase	DEF AT
15610 /13733	DEF AT local marker floral decrease	DEF AT
16330 /14316	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16450 /14412	DEF AT local marker floral decrease	DEF AT
17230 /15003	POS AT local marker floral increase	DEF AT
21300 /18027	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 95	Date of Summary: 28-OCT-1997	First Sample Examined: 6000
Lease Number: G02163	Source of Paleo: OPERATOR	Borehole MD: 10075
Well Name: A006	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 8610
API Well Number: 177184001301	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 6000 - 10075	Water Depth: 200
Public Info Code: Y 17-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5622	DEF AT first sample examined	DEF AT
6120 / 5724	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
7530 / 6797	DEF AT local marker planktic foram increase	DEF AT
9899 / 8483	POS AT reworked material	DEF AT
9900 / 8483	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10075 / 8610	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 95	<b>Date of Summary:</b> 11-JAN-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02164	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7681
<b>Well Name:</b> A007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7101
<b>API Well Number:</b> 177184001402	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 05-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5080 / 4758	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5440 / 5110	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6880 / 6395	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 95  
Lease Number: G02164  
Well Name: A011  
API Well Number: 177184007800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 27-JUL-2005

Date of Summary: 17-DEC-1997  
Source of Paleo: OPERATOR  
Paleo Done By: GEORGE J. CONSTANCE, JR.  
Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
Sample Range: 7191 - 9350  
Ecozone Eq MMS: Y

First Sample Examined: 7191  
Borehole MD: 9828  
Borehole TVD: 7088  
Rkb Elevation: 110  
Water Depth: 200  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
7191 / 5658	DEF AT first sample examined	POS	AT	4
7730 / 5948	DEF AT - - - - -	DEF	AT	4
8210 / 6205	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
8390 / 6303	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
8990 / 6637	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
9350 / 6840	DEF AT last sample examined	DEF	AT	5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 95	<b>Date of Summary:</b> 09-NOV-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02164	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8620
<b>Well Name:</b> A013	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7105
<b>API Well Number:</b> 177184008000	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 16-JUL-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2150 / 2148	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
4280 / 4268	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5800 / 5581	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6860 / 6185	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 102	Date of Summary: 18-JAN-1993	First Sample Examined: 7510
Lease Number: G05662	Source of Paleo: OPERATOR	Borehole MD: 15070
Well Name: 009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14625
API Well Number: 177184007100	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 7510 - 15070	Water Depth: 240
Public Info Code: Y 05-FEB-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7510 / 7509	DEF AT first sample examined	DEF IN 4
7690 / 7689	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7750 / 7749	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8080 / 8079	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
8140 / 8139	POS AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
8349 / 8348	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8350 / 8349	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
8380 / 8379	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
8440 / 8439	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
8468 / 8467	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8469 / 8468	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
8470 / 8469	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
8560 / 8559	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
9040 / 9039	DEF AT faunal change (no faunal increase)	DEF AT 4
10480 /10479	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
11710 /11709	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12340 /12339	DEF AT local marker benthic foram increase	DEF AT 4
12520 /12519	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
12970 /12960	DEF AT Eggerella sp. (local marker)	DEF AT 4
13000 /12988	DEF AT Eggerella 3 (local marker)	DEF AT 4
13240 /13208	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
13270 /13235	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 102	<b>Date of Summary:</b> 18-JAN-1993	<b>First Sample Examined:</b> 7510
<b>Lease Number:</b> G05662	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15070
<b>Well Name:</b> 009	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14625
<b>API Well Number:</b> 177184007100	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7510 - 15070	<b>Water Depth:</b> 240
<b>Public Info Code:</b> Y 05-FEB-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13510 /13438	DEF AT local marker deep water fauna	DEF AT 6
13600 /13508	DEF AT Eggerella sp. (local marker)	DEF AT 6
13960 /13784	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
13990 /13808	DEF AT Cyclammia cancellata (local marker)	DEF AT 6
14080 /13880	DEF AT local marker benthic foram increase	DEF AT 4
15070 /14625	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 102	Date of Summary: 19-JAN-1993	First Sample Examined: 7510
Lease Number: G05662	Source of Paleo: OPERATOR	Borehole MD: 15070
Well Name: 009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14625
API Well Number: 177184007100	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 7510 - 15070	Water Depth: 240
Public Info Code: Y 05-FEB-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7510 / 7509	DEF AT first sample examined	DEF AT
7690 / 7689	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8110 / 8109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8350 / 8349	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8380 / 8379	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9490 / 9489	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10210 /10209	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13180 /13155	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15070 /14625	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 102	Date of Summary: 17-JUN-1991	First Sample Examined: 1340
Lease Number: G05662	Source of Paleo: OPERATOR	Borehole MD: 16512
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15489
API Well Number: 177184006500	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 1 of 4	Sample Range: 1340 - 16140	Water Depth: 255
Public Info Code: Y 14-JUL-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1340 / 1339	DEF AT first sample examined	DEF AT
5930 / 5927	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6830 / 6827	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7010 / 7007	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7640 / 7637	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8640 / 8637	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9180 / 9177	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9629 / 9625	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9630 / 9626	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9900 / 9896	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10860 /10849	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13620 /13567	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16140 /15301	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 102	<b>Date of Summary:</b> 17-JUN-1991	<b>First Sample Examined:</b> 16140
<b>Lease Number:</b> G05662	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16512
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15489
<b>API Well Number:</b> 177184006500	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 16140 - 16512	<b>Water Depth:</b> 255
<b>Public Info Code:</b> Y 14-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Calcareous nannofossil report for sidetrack, nannospecies abundance and diversity chart available, see report for details, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16140 /15301	DEF AT first sample examined	DEF AT
16512 /15489	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 102	Date of Summary: 18-JUN-1991	First Sample Examined: 1340
Lease Number: G05662	Source of Paleo: OPERATOR	Borehole MD: 16512
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15489
API Well Number: 177184006500	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 3 of 4	Sample Range: 1340 - 16140	Water Depth: 255
Public Info Code: Y 14-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1340 / 1339	DEF AT first sample examined	DEF IN 3
2060 / 2057	DEF AT - - - - -	DEF AT 4
2780 / 2777	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
5930 / 5927	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6380 / 6377	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6829 / 6826	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6830 / 6827	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
8610 / 8607	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9180 / 9177	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9330 / 9327	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9689 / 9685	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9690 / 9686	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9900 / 9896	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11610 /11590	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11730 /11708	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
12270 /12239	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13500 /13452	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
13680 /13625	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13860 /13794	DEF AT Eggerella 3 (local marker)	DEF IN 5
13890 /13822	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
14039 /13961	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
14040 /13962	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 102  
 Lease Number: G05662  
 Well Name: A004  
 API Well Number: 177184006500  
 Paleo Report Num: 3 of 4  
 Public Info Code: Y 14-JUL-2001

Date of Summary: 18-JUN-1991  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: ENI PETROLEUM CO INC  
 Sample Range: 1340 - 16140  
 Ecozone Eq MMS: Y

First Sample Examined: 1340  
 Borehole MD: 16512  
 Borehole TVD: 15489  
 Rkb Elevation: 73  
 Water Depth: 255  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14100 /14017	DEF AT Eggerella 3 (local marker)	DEF AT 6
14220 /14127	DEF AT local marker foram decrease	DEF AT 4
15810 /15136	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
16140 /15301	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 102	Date of Summary: 18-JUN-1991	First Sample Examined: 16140
Lease Number: G05662	Source of Paleo: OPERATOR	Borehole MD: 16512
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15489
API Well Number: 177184006500	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 4 of 4	Sample Range: 16140 - 16512	Water Depth: 255
Public Info Code: Y 14-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Sidetrack report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16140 /15301	DEF AT first sample examined	DEF AT 4
16141 /15301	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
16440 /15452	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
16512 /15489	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 102	Date of Summary: 01-APR-1993	First Sample Examined: 2100
Lease Number: G05662	Source of Paleo: OPERATOR	Borehole MD: 17505
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16909
API Well Number: 177184006700	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 2100 - 4404	Water Depth: 255
Public Info Code: Y 10-NOV-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2100 / 2098	DEF AT first sample examined	DEF IN 3
2460 / 2457	DEF AT - - - - -	DEF AT 4
4404 / 4399	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 106	Date of Summary: 01-MAY-2000	First Sample Examined: 13580
Lease Number: G15359	Source of Paleo: OPERATOR	Borehole MD: 19204
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19195
API Well Number: 177184009300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 95
Paleo Report Num: 1 of 2	Sample Range: 13580 - 19204	Water Depth: 338
Public Info Code: Y 28-FEB-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 14480=At Upper Miocene (Tortonian) Globigerina nepenthes acme

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13580 /13573	DEF AT first sample examined	DEF AT 5
13610 /13603	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13880 /13873	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 5
13940 /13933	DEF AT faunal change (no faunal increase)	DEF AT 4
14120 /14113	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14210 /14203	DEF AT local marker foram increase	DEF AT 5
14330 /14323	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14480 /14473	DEF AT local marker planktic foram increase	DEF AT 5
14600 /14593	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14870 /14862	POS IN Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
15080 /15072	DEF AT faunal change (no faunal increase)	DEF AT 4
15200 /15192	DEF AT local marker planktic foram increase	DEF AT 5
15230 /15222	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
15380 /15372	DEF AT faunal change (no faunal increase)	DEF AT 4
15980 /15972	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
16160 /16152	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16190 /16182	DEF AT faunal change (no faunal increase)	DEF AT 4
16560 /16552	DEF AT local marker foram increase	DEF AT 4
17160 /17152	DEF AT local marker foram increase	DEF AT 5
17340 /17332	DEF AT faunal change (no faunal increase)	DEF AT 4
17430 /17422	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17490 /17482	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 106	<b>Date of Summary:</b> 01-MAY-2000	<b>First Sample Examined:</b> 13580
<b>Lease Number:</b> G15359	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19204
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 19195
<b>API Well Number:</b> 177184009300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13580 - 19204	<b>Water Depth:</b> 338
<b>Public Info Code:</b> Y 28-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17550 /17542	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17820 /17812	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18120 /18112	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18180 /18172	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
18210 /18202	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
18300 /18292	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18510 /18502	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
18600 /18592	DEF AT faunal change (no faunal increase)	DEF AT 4
19020 /19011	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19170 /19161	DEF AT local marker foram increase	DEF AT 4
19204 /19195	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 106	Date of Summary: 01-MAY-2000	First Sample Examined: 4000
Lease Number: G15359	Source of Paleo: OPERATOR	Borehole MD: 19204
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19195
API Well Number: 177184009300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 95
Paleo Report Num: 2 of 2	Sample Range: 4000 - 19204	Water Depth: 338
Public Info Code: Y 28-FEB-2001	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT
4060 / 4060	DEF AT reworked material	DEF AT
4120 / 4120	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4540 / 4540	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
5560 / 5560	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
5561 / 5561	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5770 / 5770	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
5950 / 5950	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
6190 / 6190	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
6400 / 6400	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
6460 / 6460	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
6520 / 6520	DEF AT reworked material	DEF AT
6670 / 6670	DEF AT salt	DEF AT
13580 /13573	DEF AT base of salt	DEF AT
13610 /13603	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
13640 /13633	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (very rare)	DEF AT
13641 /13634	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
13669 /13662	DEF AT gouge	DEF AT
13670 /13663	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
13671 /13664	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
13672 /13665	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13700 /13693	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 106	Date of Summary: 01-MAY-2000	First Sample Examined: 4000
Lease Number: G15359	Source of Paleo: OPERATOR	Borehole MD: 19204
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19195
API Well Number: 177184009300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 95
Paleo Report Num: 2 of 2	Sample Range: 4000 - 19204	Water Depth: 338
Public Info Code: Y 28-FEB-2001	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14210 /14203	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14330 /14323	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15200 /15192	DEF AT local marker floral increase	DEF AT
15980 /15972	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
16130 /16122	DEF AT reworked material	DEF AT
16220 /16212	DEF AT local marker floral increase	DEF AT
16310 /16302	DEF AT Upper Miocene (Tortonian) Reticulofenestra pseudumbilica "C"	DEF AT
16430 /16422	DEF IN Upper Miocene (Tortonian) Reticulofenestra pseudumbilica "C"	DEF AT
16890 /16882	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17160 /17152	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
18150 /18142	DEF AT local marker floral increase	DEF AT
18510 /18502	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19080 /19071	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19110 /19101	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19170 /19161	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 106	Date of Summary: 20-JAN-2006	First Sample Examined: 3970
Lease Number: G24997	Source of Paleo: OPERATOR	Borehole MD: 25860
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 23073
API Well Number: 177184010800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3970 - 25860	Water Depth: 347
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3970 / 3969	DEF AT first sample examined	DEF AT 6
4090 / 4089	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
7140 / 7049	POS AT salt	DEF AT 6
14249 /12839	POS AT base of salt	DEF AT 6
14250 /12840	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
14400 /12967	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
14430 /12992	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
14970 /13458	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
15690 /14091	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
16110 /14461	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
17070 /15311	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
17520 /15712	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
18780 /16832	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
19350 /17342	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
19530 /17507	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
20220 /18144	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
20669 /18556	POS AT reworked material	DEF AT 6
20670 /18557	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
21540 /19318	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
21600 /19368	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
21780 /19516	DEF AT local marker floral increase	DEF AT 6
22230 /19875	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT 6

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 106	Date of Summary: 20-JAN-2006	First Sample Examined: 3970
Lease Number: G24997	Source of Paleo: OPERATOR	Borehole MD: 25860
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 23073
API Well Number: 177184010800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3970 - 25860	Water Depth: 347
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 /19944	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
23550 /20920	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
23940 /21263	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
24120 /21426	DEF AT local marker floral increase	DEF AT 6
24270 /21563	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 6
24750 /22014	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
25860 /23073	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 111	Date of Summary: 17-NOV-2000	First Sample Examined: 15620
Lease Number: G13943	Source of Paleo: OPERATOR	Borehole MD: 21269
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19580
API Well Number: 177184009801	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15620 - 21269	Water Depth: 320
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15620 /15205	DEF AT first sample examined	DEF AT
15621 /15206	DEF AT out-of-place section	DEF AT
15710 /15278	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15830 /15376	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16760 /16111	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16761 /16111	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17540 /16705	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18980 /17822	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20030 /18633	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21269 /19612	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 111	Date of Summary: 17-NOV-2000	First Sample Examined: 15620
Lease Number: G13943	Source of Paleo: OPERATOR	Borehole MD: 21269
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19580
API Well Number: 177184009801	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 15620 - 21269	Water Depth: 320
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15620 /15205	DEF AT first sample examined	DEF AT 5
15621 /15206	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
16790 /16134	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
17600 /16751	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
18320 /17310	DEF AT faunal change (no faunal increase)	DEF AT 5
20030 /18633	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20060 /18656	DEF AT faunal change (no faunal increase)	DEF IN 5
20300 /18846	DEF AT faunal change (no faunal increase)	DEF AT 5
21269 /19612	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 111	Date of Summary: 10-OCT-2000	First Sample Examined: 4000
Lease Number: G18069	Source of Paleo: OPERATOR	Borehole MD: 21057
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21050
API Well Number: 177184009800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4000 - 21057	Water Depth: 320
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
4000 / 3999	DEF AT first sample examined	DEF AT 5
4001 / 4000	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6550 / 6548	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6970 / 6968	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7090 / 7088	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7180 / 7178	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
7510 / 7508	DEF AT -----	DEF AT 5
8020 / 8017	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8050 / 8047	DEF AT -----	DEF IN 5
8829 / 8826	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8830 / 8827	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
8890 / 8887	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9190 / 9187	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5
9430 / 9427	DEF AT -----	DEF AT 5
10210 /10207	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11140 /11137	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11200 /11197	DEF AT -----	DEF AT 6
11530 /11527	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
11830 /11827	DEF AT sample gap top	POS AT 6
14980 /14975	DEF AT sample gap bottom	DEF AT 6
15100 /15095	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
15320 /15315	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 111	<b>Date of Summary:</b> 10-OCT-2000	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G18069	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21057
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21050
<b>API Well Number:</b> 177184009800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4000 - 21057	<b>Water Depth:</b> 320
<b>Public Info Code:</b> Y 27-DEC-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17240 /17234	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
18710 /18704	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
18800 /18794	DEF AT -----	DEF AT 4
19580 /19574	DEF AT -----	DEF AT 5
20600 /20593	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
21057 /21050	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 111	Date of Summary: 10-OCT-2000	First Sample Examined: 4000
Lease Number: G18069	Source of Paleo: OPERATOR	Borehole MD: 21057
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21050
API Well Number: 177184009800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4000 - 21057	Water Depth: 320
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT first sample examined	DEF AT
6370 / 6368	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6520 / 6518	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7090 / 7088	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7120 / 7118	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8020 / 8017	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8050 / 8047	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8620 / 8617	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8800 / 8797	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8830 / 8827	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8890 / 8887	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9490 / 9487	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10180 /10177	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10660 /10657	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11200 /11197	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11740 /11737	DEF AT salt	DEF AT
11830 /11827	DEF AT sample gap top	DEF AT
15009 /15004	DEF AT sample gap bottom	DEF AT
15010 /15005	POS AT Upper (Late) Miocene	DEF AT
16310 /16304	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16311 /16305	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17270 /17264	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 111	<b>Date of Summary:</b> 10-OCT-2000	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G18069	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21057
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21050
<b>API Well Number:</b> 177184009800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4000 - 21057	<b>Water Depth:</b> 320
<b>Public Info Code:</b> Y 27-DEC-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18740 /18734	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19580 /19574	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20480 /20473	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21057 /21050	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 115	Date of Summary: 01-FEB-1994	First Sample Examined: 3970
Lease Number: G10873	Source of Paleo: OPERATOR	Borehole MD: 11406
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11406
API Well Number: 177184007200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 3970 - 12520	Water Depth: 366
Public Info Code: Y 29-NOV-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3970 / 3970	DEF AT first sample examined	DEF AT
4690 / 4690	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5580 / 5580	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6010 / 6010	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6130 / 6130	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6160 / 6160	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7090 / 7090	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7420 / 7420	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7540 / 7540	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7630 / 7630	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8380 / 8380	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8560 / 8560	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9340 / 9340	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10720 /10719	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11920 /	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12520 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 115	<b>Date of Summary:</b> 28-JUN-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10873	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12450
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12127
<b>API Well Number:</b> 177184007300	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 366
<b>Public Info Code:</b> Y 29-NOV-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8490 / 8326	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9480 / 9272	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9900 / 9675	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10020 / 9790	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11610 / 11320	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 116	<b>Date of Summary:</b> 20-APR-1999	<b>First Sample Examined:</b> 3800
<b>Lease Number:</b> G13943	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21540
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20601
<b>API Well Number:</b> 177184008900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3800 - 21540	<b>Water Depth:</b> 323
<b>Public Info Code:</b> Y 19-MAR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3800 / 3799	DEF AT first sample examined	DEF AT 4
6350 / 6295	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6470 / 6410	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
6500 / 6439	DEF AT anhydrite	POS AT 5
6560 / 6496	DEF AT salt	POS AT 5
15470 /15051	DEF AT base of salt	POS AT 5
15650 /15223	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
18800 /18202	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
21290 /20385	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
21540 /20601	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 116	Date of Summary: 20-APR-1999	First Sample Examined: 3800
Lease Number: G13943	Source of Paleo: OPERATOR	Borehole MD: 21540
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20601
API Well Number: 177184008900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 3800 - 21540	Water Depth: 323
Public Info Code: Y 19-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, 15470=out of salt - mixed late and middle Miocene, 15950=Discoaster prepentaradiatus - questionably in a normal stratigraphic section - may be part of a mixed allochthonous flora as indicated at 15470, the 15950 to 16160 contains rare but consistent occurrences of Discoaster prepentaradiatus and no older flora, the sidewall core sample at 16300 contains abundant flora with Catinaster mexicanus and discoaster loeblichii - this is the youngest well-defined flora below the salt and may mark the top of a normal age section - the interval above this, below the jumbled zone, appears to be part of a reverse or overturned section that is defined by progressively younger nannos downsection, Catinaster coalitus (15800), Discoaster bollii (15890) and Discoaster prepentaradiatus (15950), 17100=significant reoccurrence of Discoaster prepentaradiatus which should define the 780my maximum flooding surface, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3800 / 3799	DEF AT first sample examined	DEF AT
5780 / 5746	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6020 / 5978	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6230 / 6180	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6320 / 6266	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6410 / 6352	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
6500 / 6439	DEF AT salt	DEF AT
15470 /15051	DEF AT base of salt	DEF AT
15950 /15513	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16300 /15850	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17100 /16614	DEF AT condensed section	DEF AT
17750 /17222	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18830 /18230	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19400 /18754	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20870 /20025	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21540 /20601	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 116	Date of Summary: 18-OCT-2002	First Sample Examined: 15710
Lease Number: G13943	Source of Paleo: OPERATOR	Borehole MD: 22204
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20660
API Well Number: 177184010402	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 176
Paleo Report Num: 1 of 2	Sample Range: 15710 - 22140	Water Depth: 325
Public Info Code: Y 09-NOV-2012	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 15770=mixed middle Miocene floral assemblage within the jumbled zone below salt, 16100=mixed late Miocene floral assemblage within jumbled zone below salt, 16190=oldest age-diagnostic nannofossil observed, 16820=in normal section, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15710 /15408	DEF AT first sample examined	DEF AT
15711 /15409	DEF IN salt	DEF AT
15770 /15460	DEF AT out-of-place section	DEF AT
16100 /15736	DEF AT out-of-place section	DEF AT
16190 /15808	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16820 /16295	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
17030 /16461	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17990 /17213	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19760 /18580	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20390 /19073	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21800 /20299	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22140 /20609	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 116	<b>Date of Summary:</b> 21-OCT-2002	<b>First Sample Examined:</b> 15170
<b>Lease Number:</b> G13943	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22204
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20660
<b>API Well Number:</b> 177184010402	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 176
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15170 - 22140	<b>Water Depth:</b> 325
<b>Public Info Code:</b> Y 09-NOV-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** 15890=mixed middle to late Miocene fauna within jumbled zone below salt, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15170 /14941	DEF AT first sample examined	DEF AT
15171 /14942	DEF IN salt	DEF AT
15800 /15486	DEF AT base of salt	DEF AT 5
15890 /15563	DEF AT out-of-place section	DEF AT 5
18080 /17281	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
20480 /19147	POS IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
21770 /20272	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
22140 /20609	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 116	Date of Summary: 16-OCT-1998	First Sample Examined: 3800
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21600
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21587
API Well Number: 177184008700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 3800 - 21600	Water Depth: 323
Public Info Code: Y 03-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3800 / 3800	DEF AT first sample examined	DEF AT 4
5150 / 5150	DEF AT - - - - -	DEF AT 5
5990 / 5990	DEF AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 5
6320 / 6320	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF IN 5
6530 / 6530	DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF IN 5
6590 / 6590	DEF AT - - - - -	DEF AT 6
6650 / 6650	DEF AT salt	DEF AT 6
6800 / 6800	DEF AT sample gap top	POS AT 6
14000 /13990	DEF AT sample gap bottom	DEF AT 6
14540 /14530	DEF AT base of salt	DEF AT 6
14690 /14679	DEF AT - - - - -	DEF AT 5
17180 /17168	DEF AT Upper Miocene (Tortonian) <i>Cyclammina 3</i>	DEF AT 5
19070 /19058	DEF AT Upper Miocene (Tortonian) <i>Bolivina thalmani</i>	DEF AT 5
19190 /19178	DEF AT local marker deep water fauna	DEF AT 5
21600 /21587	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 116	Date of Summary: 16-OCT-1998	First Sample Examined: 3800
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21600
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21587
API Well Number: 177184008700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 3800 - 21600	Water Depth: 323
Public Info Code: Y 03-NOV-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 14540=consistent development of Discoaster bollii within the jumbled zone below salt, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3800 / 3800	DEF AT first sample examined	DEF AT
5450 / 5450	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5870 / 5870	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6170 / 6170	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6320 / 6320	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6470 / 6470	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
6770 / 6770	DEF AT salt	DEF AT
8240 / 8236	DEF AT sample gap top	DEF AT
14000 /13990	DEF AT sample gap bottom	DEF AT
14540 /14530	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15080 /15069	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15500 /15489	DEF AT local marker floral increase	DEF AT
15620 /15609	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16340 /16328	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17180 /17168	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18590 /18578	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19550 /19538	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20300 /20287	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21600 /21587	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 116	Date of Summary: 07-APR-2000	First Sample Examined: 4370
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21475
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20110
API Well Number: 177184009200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4370 - 21475	Water Depth: 326
Public Info Code: Y 27-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4370 / 4370	DEF AT first sample examined	DEF AT 4
5150 / 5149	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6290 / 6282	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
6320 / 6312	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6470 / 6458	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6680 / 6662	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6710 / 6691	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
7160 / 7125	DEF AT salt	DEF AT
7280 / 7241	DEF IN salt	DEF AT
15350 /13999	DEF AT base of salt	DEF AT
15380 /14029	POS AT out-of-place section	DEF AT
15470 /14119	DEF AT -----	DEF AT 5
15500 /14148	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16310 /14954	DEF AT -----	DEF AT 4
16640 /15283	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
17240 /15882	DEF AT -----	DEF AT 5
18620 /17260	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
20480 /19117	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
21475 /20110	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 116	Date of Summary: 07-APR-2000	First Sample Examined: 4370
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21475
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20110
API Well Number: 177184009200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 4370 - 21475	Water Depth: 326
Public Info Code: Y 27-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4370 / 4370	DEF AT first sample examined	DEF AT
5390 / 5388	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5510 / 5508	DEF AT out-of-place section	DEF AT
5840 / 5837	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6290 / 6282	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6320 / 6312	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6380 / 6370	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6410 / 6400	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6469 / 6457	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6470 / 6458	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
6710 / 6691	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6980 / 6951	DEF AT salt	DEF AT
15320 /13970	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
15440 /14089	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
15590 /14238	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17120 /15762	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17300 /15942	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
17360 /16002	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
18110 /16751	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19160 /17799	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19940 /18578	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
20540 /19177	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 116	<b>Date of Summary:</b> 07-APR-2000	<b>First Sample Examined:</b> 4370
<b>Lease Number:</b> G13944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21475
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20110
<b>API Well Number:</b> 177184009200	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4370 - 21475	<b>Water Depth:</b> 326
<b>Public Info Code:</b> Y 27-APR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21475 /20110	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 116	<b>Date of Summary:</b> 29-JUN-2000	<b>First Sample Examined:</b> 4270
<b>Lease Number:</b> G13944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9078
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9051
<b>API Well Number:</b> 177184009500	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4270 - 8890	<b>Water Depth:</b> 323
<b>Public Info Code:</b> Y 01-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4270 / 4270	DEF AT first sample examined	DEF IN 4
5290 / 5289	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
5770 / 5767	DEF AT - - - - -	DEF AT 5
5920 / 5916	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6130 / 6125	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6310 / 6303	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6370 / 6363	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6430 / 6422	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
6460 / 6452	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6580 / 6570	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
6850 / 6835	DEF AT salt	DEF IN 5
7150 / 7130	DEF AT salt weld	DEF IN 5
8890 / 8864	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: GI 116	Date of Summary: 29-JUN-2000	First Sample Examined: 4270
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 9078
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9051
API Well Number: 177184009500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4270 - 8890	Water Depth: 323
Public Info Code: Y 01-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4270 / 4270	DEF AT first sample examined	DEF AT
5830 / 5827	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5920 / 5916	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6130 / 6125	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6400 / 6392	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6430 / 6422	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
6580 / 6570	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
6879 / 6863	DEF AT salt	DEF AT
6880 / 6864	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 116	<b>Date of Summary:</b> 27-JUL-2000	<b>First Sample Examined:</b> 16090
<b>Lease Number:</b> G13944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18000
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17392
<b>API Well Number:</b> 177184009501	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16090 - 18001	<b>Water Depth:</b> 323
<b>Public Info Code:</b> Y 05-AUG-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Interim calcareous nannofossil report, tops at 16120, 16150, 16240 and 16600 are oldest age-diagnostic species

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16090 /15490	DEF AT first sample examined	DEF AT
16091 /15491	DEF AT base of salt	DEF AT
16120 /15519	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16150 /15549	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16240 /15637	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
16600 /15993	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16690 /16083	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
17230 /16623	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18001 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> GI 116	<b>Date of Summary:</b> 18-OCT-2002	<b>First Sample Examined:</b> 15770
<b>Lease Number:</b> G13944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16620
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16088
<b>API Well Number:</b> 177184010400	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 176
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15770 - 16520	<b>Water Depth:</b> 325
<b>Public Info Code:</b> Y 24-AUG-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15770 /15423	DEF AT first sample examined	DEF AT
15800 /15447	DEF IN salt	DEF AT
15830 /15471	DEF AT out-of-place section	DEF AT
16130 /15708	DEF AT out-of-place section	DEF AT
16340 /15871	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16520 /16011	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> GI 116	<b>Date of Summary:</b> 21-OCT-2002	<b>First Sample Examined:</b> 15770
<b>Lease Number:</b> G13944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16620
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16088
<b>API Well Number:</b> 177184010400	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 176
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15770 - 16520	<b>Water Depth:</b> 325
<b>Public Info Code:</b> Y 24-AUG-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** 15890=mixed middle to late Miocene fauna within jumbled zone below salt, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15770 /15423	DEF AT first sample examined	DEF AT
15771 /15424	DEF IN salt	DEF AT
15830 /15471	DEF AT base of salt	DEF AT 5
15890 /15519	DEF AT out-of-place section	DEF AT 5
16370 /15894	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16520 /16011	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 34	Date of Summary: 30-MAY-2002	First Sample Examined: 8000
Lease Number: G20655	Source of Paleo: OPERATOR	Borehole MD: 13300
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13297
API Well Number: 427084055800	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 8000 - 13300	Water Depth: 42
Public Info Code: Y 22-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 2
8570 / 8568	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
9170 / 9168	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
9440 / 9438	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
10130 /10128	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 3
10670 /10668	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 3
12320 /12318	DEF AT -----	DEF AT 4
13300 /13297	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 37	Date of Summary: 30-SEP-1996	First Sample Examined: 0
Lease Number: G15769	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12984
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12531
API Well Number: 427084043300	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 23-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7215 / 6929	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9562 / 9135	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10350 / 9920	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
10970 / 10539	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 37	Date of Summary: 30-APR-2001	First Sample Examined: 0
Lease Number: G15769	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14400
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14303
API Well Number: 427084051300	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 39
Public Info Code: Y 02-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6930 / 6930	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9188 / 9101	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9948 / 9852	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11040 /10943	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
13598 /13501	DEF IN Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 37	Date of Summary: 11-SEP-2000	First Sample Examined: 0
Lease Number: G15769	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14350
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13951
API Well Number: 427084051700	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 39
Public Info Code: Y 27-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7170 / 6878	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9450 / 9058	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10195 / 9797	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
10800 /10401	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
12090 /11691	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT
13610 /13211	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 38	Date of Summary: 24-NOV-1997	First Sample Examined: 0
Lease Number: G14878	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13655
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11671
API Well Number: 427104012700	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 16-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7350 / 7349	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8645 / 8621	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
9550 / 9391	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10780 / 10202	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 38	<b>Date of Summary:</b> 14-NOV-2008	<b>First Sample Examined:</b> 11170
<b>Lease Number:</b> G14878	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14249
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13700
<b>API Well Number:</b> 427104017001	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11170 - 14250	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 20-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11170 /10678	DEF AT first sample examined	DEF AT 3
12190 /11648	POS AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 4
12310 /11766	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 4
12340 /11795	POS AT maximum flooding surface	DEF AT 4
13240 /12691	POS AT Lower Miocene (Aquitanian) Lenticulina hansenii	DEF AT 4
14250 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 38	<b>Date of Summary:</b> 14-NOV-2008	<b>First Sample Examined:</b> 14110
<b>Lease Number:</b> G14878	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15583
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15024
<b>API Well Number:</b> 427104017002	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14110 - 15580	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 20-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14110 /13552	DEF AT first sample examined	DEF AT 4
14111 /13553	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
14112 /13554	DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 4
14920 /14362	POS AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF AT 4
15010 /14452	POS AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 4
15580 /15021	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 39	Date of Summary: 29-AUG-2001	First Sample Examined: 0
Lease Number: G04078	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11905
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 11830
API Well Number: 427104014001	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 39
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9413 / 9349	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9996 / 9927	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 45	Date of Summary: 25-FEB-1999	First Sample Examined: 0
Lease Number: G12564	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11175
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11175
API Well Number: 427104011600	Drilling Operator: LOUIS DREYFUS NATURAL GAS CORP	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 23-DEC-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10700 /10699	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 47	Date of Summary: 01-JUN-2003	First Sample Examined: 4000
Lease Number: G23193	Source of Paleo: OPERATOR	Borehole MD: 10595
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10594
API Well Number: 427084057200	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 4000 - 10600	Water Depth: 33
Public Info Code: Y 19-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT 1
4001 / 4001	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
5680 / 5680	DEF AT - - - - -	DEF AT 2
6970 / 6970	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7060 / 7060	POS AT Cyclammina cancellata (local marker)	DEF IN 2
7180 / 7180	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 2
7240 / 7240	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
7480 / 7480	DEF AT - - - - -	DEF AT 1
9130 / 9130	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
9160 / 9160	DEF AT - - - - -	DEF IN 2
9490 / 9489	DEF AT local marker foram increase	DEF IN 2
9520 / 9519	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 2
9640 / 9639	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 2
10360 / 10359	DEF AT - - - - -	DEF AT 2
10600 /	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 47	Date of Summary: 15-DEC-2003	First Sample Examined: 10000
Lease Number: G23193	Source of Paleo: OPERATOR	Borehole MD: 15900
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15898
API Well Number: 427084057900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 10000 - 15900	Water Depth: 38
Public Info Code: Y 19-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9999	DEF AT first sample examined	DEF AT 2
10001 /10000	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
10120 /10119	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF IN 2
10210 /10209	DEF AT - - - - -	DEF AT 3
10390 /10389	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10600 /10599	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 3
11080 /11079	DEF IN Lower Miocene (Aquitania) Siphonina davis	DEF AT 3
11200 /11199	DEF AT reworked material	DEF AT 3
11350 /11349	DEF AT - - - - -	DEF IN 3
11410 /11409	DEF AT local marker foram decrease	DEF IN 3
11470 /11469	POS AT Lower Miocene (Aquitania) Lenticulina hanseni	DEF IN 3
11710 /11709	DEF AT Lower Miocene (Aquitania) Planulina palmerae	DEF IN 3
12190 /12189	DEF AT local marker deep water fauna	DEF IN 3
12280 /12279	DEF AT - - - - -	DEF AT 2
12550 /12549	DEF AT - - - - -	DEF AT 3
12580 /12579	DEF AT - - - - -	DEF AT 3
12670 /12669	DEF AT - - - - -	DEF IN 3
12730 /12729	DEF AT local marker benthic foram increase	DEF IN 3
12850 /12849	DEF AT local marker deep water fauna	DEF IN 3
13060 /13059	POS AT Lower Miocene (Aquitania) Lenticulina jeffersonensis	DEF IN 3
13600 /13598	DEF AT local marker benthic foram increase	DEF IN 3
13900 /13898	DEF AT Eggerella sp. (local marker)	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 47	Date of Summary: 15-DEC-2003	First Sample Examined: 10000
Lease Number: G23193	Source of Paleo: OPERATOR	Borehole MD: 15900
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15898
API Well Number: 427084057900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 10000 - 15900	Water Depth: 38
Public Info Code: Y 19-AUG-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13960 /13958	DEF IN Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF IN 3
14080 /14078	DEF AT local marker deep water fauna	DEF IN 3
14140 /14138	DEF AT deepwater facies Abbeville Iberia	DEF IN 3
14170 /14168	DEF AT -----	DEF AT 3
14440 /14438	DEF AT -----	DEF IN 4
14680 /14678	DEF AT -----	DEF AT 4
14920 /14918	DEF AT -----	DEF AT 3
15100 /15098	DEF AT -----	DEF AT 2
15900 /15898	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 52	Date of Summary: 29-AUG-2001	First Sample Examined: 0
Lease Number: 00508	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14241
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 14231
API Well Number: 427084053400	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 29-MAR-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5868 / 5868	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8454 / 8453	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
13214 / 13208	DEF IN Lower Miocene (Aquitanian) Lenticulina hansenii	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 52	Date of Summary: 08-MAY-1997	First Sample Examined: 0
Lease Number: 00512	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11959
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11883
API Well Number: 427084045200	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 44
Public Info Code: Y 10-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6104 / 6103	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7740 / 7738	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8370 / 8343	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
8940 / 8886	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT
10981 / 10906	DEF IN deepwater facies Planulina	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 68	Date of Summary: 13-MAY-1999	First Sample Examined: 0
Lease Number: G15771	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9746
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9668
API Well Number: 427084045000	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 11-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5865 / 5789	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7475 / 7399	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8085 / 8009	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
9055 / 8979	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 72	Date of Summary: 20-MAR-2001	First Sample Examined: 0
Lease Number: G22231	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7500
API Well Number: 427084053700	Drilling Operator: HALL-HOUSTON OIL COMPANY	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 31
Public Info Code: Y 04-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7130 / 7129	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7173 / 7172	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 84  
Lease Number: G18948  
Well Name: A001  
API Well Number: 427104014300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-APR-2008

Date of Summary: 28-SEP-2001  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: WESTPORT RESOURCES CORPORATION  
Sample Range: 4500 - 13900  
Ecozone Eq MMS: Y

First Sample Examined: 4500  
Borehole MD: 13900  
Borehole TVD: 13899  
Rkb Elevation: 99  
Water Depth: 48  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 2
4501 / 4501	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
5250 / 5250	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5710 / 5710	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6290 / 6290	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6560 / 6560	DEF AT - - - - -	DEF AT 3
6770 / 6770	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
7130 / 7130	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
8370 / 8370	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
9570 / 9570	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10950 / 10950	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
13900 / 13899	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 86  
Lease Number: G14155  
Well Name: 001  
API Well Number: 427084047700  
Paleo Report Num: 1 of 1  
Public Info Code: Y 13-SEP-2000

Date of Summary: 19-APR-2000  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: APACHE CORPORATION  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 12744  
Borehole TVD: 10689  
Rkb Elevation: 89  
Water Depth: 42  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5820 / 5820	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6520 / 6510	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6890 / 6862	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7950 / 7766	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
8530 / 8156	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9815 / 8910	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 87	Date of Summary: 25-JUN-1996	First Sample Examined: 6960
Lease Number: G15772	Source of Paleo: OPERATOR	Borehole MD: 14197
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14189
API Well Number: 427084043100	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 6960 - 14197	Water Depth: 44
Public Info Code: Y 24-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
6960 / 6960	DEF AT first sample examined	DEF AT 3
7050 / 7050	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
7110 / 7110	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
7410 / 7410	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT 3
7470 / 7470	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
7530 / 7530	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
7650 / 7650	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
7710 / 7710	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
8370 / 8370	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
9030 / 9030	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
10680 / 10679	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
10890 / 10889	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
11040 / 11039	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
11190 / 11189	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
11700 / 11699	DEF AT local marker benthic foram increase	DEF AT 4
11880 / 11879	DEF AT faunal change (no faunal increase)	DEF AT 3
12510 / 12509	DEF AT local marker benthic foram increase	DEF AT 3
12900 / 12899	DEF AT local marker planktic foram increase	DEF AT 3
13080 / 13078	DEF AT local marker foram decrease	DEF AT 3
14197 / 14189	DEF AT last sample examined	DEF AT 3

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 87	Date of Summary: 24-JUN-1998	First Sample Examined: 0
Lease Number: G15772	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10590
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10100
API Well Number: 427084047300	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 44
Public Info Code: Y 24-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4890 / 4890	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5620 / 5620	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6450 / 6450	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6800 / 6800	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8298 / 8256	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8990 / 8808	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 87	Date of Summary: 29-JUL-1999	First Sample Examined: 0
Lease Number: G15772	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7700
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 7700
API Well Number: 427084049100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 24-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5430 / 5430	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6207 / 6207	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6525 / 6525	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 88	Date of Summary: 01-JUN-1999	First Sample Examined: 0
Lease Number: G15773	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9802
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9300
API Well Number: 427084048600	Drilling Operator: PRIME NATURAL RESOURCES INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 26-DEC-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7290 / 7184	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
7629 / 7476	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7774 / 7600	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9318 / 8893	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 90	<b>Date of Summary:</b> 20-DEC-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21342	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10859
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9000
<b>API Well Number:</b> 427084052900	<b>Drilling Operator:</b> IP PETROLEUM COMPANY INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 39
<b>Public Info Code:</b> Y 30-SEP-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7672 / 6611	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8432 / 7117	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8731 / 7311	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 110	Date of Summary: 02-JAN-1991	First Sample Examined: 0
Lease Number: G02353	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12830
Well Name: B009	Paleo Done By: OPERATOR	Borehole TVD: 12676
API Well Number: 427084035000	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 04-JAN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7522 / 7369	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8175 / 8022	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10735 /10582	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
12570 /12416	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 110	Date of Summary: 25-FEB-1998	First Sample Examined: 0
Lease Number: G02354	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11945
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 10966
API Well Number: 427084040100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 50
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 46
Public Info Code: Y 12-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7560 / 7356	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
11170 /10318	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 115	Date of Summary: 02-OCT-2000	First Sample Examined: 0
Lease Number: G18936	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10388
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 9766
API Well Number: 427084052300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 07-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1810 / 1810	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
4862 / 4862	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
5594 / 5593	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6852 / 6847	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7710 / 7659	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8705 / 8474	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 115	<b>Date of Summary:</b> 24-APR-2003	<b>First Sample Examined:</b> 10990
<b>Lease Number:</b> G18936	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19800
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19762
<b>API Well Number:</b> 427084056900	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10990 - 19790	<b>Water Depth:</b> 44
<b>Public Info Code:</b> Y 09-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10990 /10983	DEF AT first sample examined	DEF AT
14440 /14427	POS AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
14500 /14486	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
15660 /15643	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
17670 /17648	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
19790 /19752	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 115	<b>Date of Summary:</b> 24-APR-2003	<b>First Sample Examined:</b> 10990
<b>Lease Number:</b> G18936	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19800
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19762
<b>API Well Number:</b> 427084056900	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10990 - 19790	<b>Water Depth:</b> 44
<b>Public Info Code:</b> Y 09-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10990 /10983	DEF AT first sample examined	DEF AT 3
10991 /10984	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11470 /11462	DEF AT -----	DEF AT 4
11800 /11792	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
12880 /12869	DEF AT -----	DEF AT 3
13150 /13139	DEF AT -----	DEF AT 4
14230 /14217	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
15660 /15643	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
16290 /16271	DEF AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF AT 4
18150 /18126	DEF AT sample gap top	POS AT 4
18320 /18295	DEF AT sample gap bottom	DEF AT 4
19790 /19752	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 115	<b>Date of Summary:</b> 06-DEC-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G18938	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12500
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11463
<b>API Well Number:</b> 427084052301	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 20-DEC-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5997	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
6340 / 6337	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6772 / 6765	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8140 / 8030	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8660 / 8448	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9605 / 9202	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11000 /10330	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT



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End Date: 01-DEC-2016

<b>Area Block:</b> HI 116	<b>Date of Summary:</b> 28-JUL-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06156	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16695
<b>Well Name:</b> 004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15008
<b>API Well Number:</b> 427084052000	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 21-DEC-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9320 / 9320	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10490 /10466	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
16520 /14885	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 116	Date of Summary: 01-FEB-2000	First Sample Examined: 0
Lease Number: G06156	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11000
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10999
API Well Number: 427084042400	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9760 / 9759	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 116	Date of Summary: 22-OCT-1999	First Sample Examined: 8900
Lease Number: G06156	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13693
API Well Number: 427084049200	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 8900 - 15975	Water Depth: 45
Public Info Code: Y 12-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8899	DEF AT first sample examined	DEF AT 3
9170 / 9169	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9980 / 9978	DEF AT - - - - -	DEF AT 2
11020 /10982	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
13300 /12291	DEF AT - - - - -	DEF AT 3
15975 /13693	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 117	Date of Summary: 05-NOV-1999	First Sample Examined: 0
Lease Number: G17147	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10085
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10032
API Well Number: 427084046000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 14-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8950 / 8944	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 117	Date of Summary: 25-FEB-1998	First Sample Examined: 0
Lease Number: G17147	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10032
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10000
API Well Number: 427084047100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 14-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7830 / 7829	DEF IN Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT
8930 / 8927	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 117	Date of Summary: 21-AUG-2001	First Sample Examined: 0
Lease Number: G17147	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12078
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11892
API Well Number: 427084054600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 14-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9308 / 9307	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10936 / 10932	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 119	Date of Summary: 06-AUG-2001	First Sample Examined: 0
Lease Number: G22246	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11770
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11225
API Well Number: 427104014200	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 05-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10451 / 10316	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 119	<b>Date of Summary:</b> 12-MAY-2004	<b>First Sample Examined:</b> 9660
<b>Lease Number:</b> G22246	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14094
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13809
<b>API Well Number:</b> 427104015601	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9660 - 14094	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 03-JUN-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9660 / 9660	DEF AT first sample examined	DEF AT 3
9840 / 9838	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10980 /10975	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14094 /13809	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 129	Date of Summary: 12-MAR-1998	First Sample Examined: 0
Lease Number: G01848	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13990
Well Name: 014	Paleo Done By: OPERATOR	Borehole TVD: 13985
API Well Number: 427104012800	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5520 / 5519	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6780 / 6779	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7500 / 7499	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
7830 / 7829	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9330 / 9329	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
10080 /10079	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12100 /12099	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
13450 /13446	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 129	Date of Summary: 21-JAN-1999	First Sample Examined: 0
Lease Number: G01848	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12601
Well Name: 015	Paleo Done By: OPERATOR	Borehole TVD: 11487
API Well Number: 427104013000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 14-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8200 / 7753	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11080 /10198	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 130  
 Lease Number: G14883  
 Well Name: A001  
 API Well Number: 427104013100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 17-SEP-2002

Date of Summary: 19-JAN-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: PRIME NATURAL RESOURCES INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9948  
 Borehole TVD: 9321  
 Rkb Elevation: 96  
 Water Depth: 53  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6015 / 6015	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7670 / 7583	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8435 / 8192	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 130	<b>Date of Summary:</b> 01-MAY-2007	<b>First Sample Examined:</b> 9990
<b>Lease Number:</b> G25579	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17315
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17311
<b>API Well Number:</b> 427104016702	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9990 - 17280	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 22-MAY-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Paleo done by Rashel N Rosen, NCR & Associates, foram species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9987	DEF AT first sample examined	DEF AT 3
9991 / 9988	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
10560 /10557	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10800 /10797	DEF AT -----	DEF AT 2
11280 /11277	DEF AT -----	DEF AT 1
11370 /11367	DEF AT -----	DEF AT 2
11610 /11607	DEF AT -----	DEF IN 3
11640 /11637	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12030 /12027	DEF AT -----	DEF AT 1
12150 /12147	DEF AT -----	DEF IN 2
12660 /12657	DEF AT -----	DEF AT 3
13190 /13187	DEF AT -----	DEF IN 3
14520 /14517	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
15570 /15567	DEF AT -----	DEF AT 3
15810 /15807	DEF AT -----	POS AT 1
17220 /17216	DEF AT -----	DEF AT 2
17280 /17276	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 131	Date of Summary: 23-NOV-1998	First Sample Examined: 0
Lease Number: G14863	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10192
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8400
API Well Number: 427084048000	Drilling Operator: PRIME NATURAL RESOURCES INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 21-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6574 / 5567	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9596 / 7934	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 131	Date of Summary: 11-DEC-1998	First Sample Examined: 0
Lease Number: G14863	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6767
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 5796
API Well Number: 427084048200	Drilling Operator: PRIME NATURAL RESOURCES INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 21-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6120 / 5286	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 132	<b>Date of Summary:</b> 27-JUL-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G18937	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17076
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16734
<b>API Well Number:</b> 427084052500	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 31-DEC-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8570 / 8569	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9300 / 9299	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10960 /10957	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 132	Date of Summary: 01-MAR-2002	First Sample Examined: 12000
Lease Number: G18937	Source of Paleo: OPERATOR	Borehole MD: 17076
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16734
API Well Number: 427084052500	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 12000 - 17076	Water Depth: 41
Public Info Code: Y 31-DEC-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Paleo done by Ragan Biostrat, 16830=Marginulina sublituus (local), foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12000 /11996	DEF AT first sample examined	DEF AT 3
12001 /11997	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
12030 /12026	DEF AT -----	DEF AT 2
12420 /12416	DEF AT -----	DEF AT 0
12450 /12446	DEF AT -----	DEF AT 1
12480 /12476	DEF AT sample gap top	DEF AT
15510 /15315	DEF AT sample gap bottom	DEF AT 2
16170 /15890	DEF AT -----	DEF AT 3
16200 /15916	DEF AT -----	DEF AT 2
16230 /15943	DEF AT -----	DEF AT 1
16380 /16076	DEF AT -----	DEF AT 2
16410 /16103	DEF AT local marker foram increase	DEF AT 2
16560 /16238	DEF AT local marker foram increase	DEF AT 2
16590 /16267	DEF AT -----	DEF AT 3
16740 /16405	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
16830 /16491	DEF AT local marker (general)	DEF AT 3
17076 /16734	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 133	Date of Summary: 29-OCT-2001	First Sample Examined: 0
Lease Number: G18938	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14834
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13148
API Well Number: 427084048400	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 20-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10025 / 9998	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12998 /12044	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 133	Date of Summary: 29-NOV-2001	First Sample Examined: 0
Lease Number: G18938	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14540
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13036
API Well Number: 427084048900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 20-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10040 / 9998	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12760 / 11904	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 133	Date of Summary: 24-SEP-2009	First Sample Examined: 9200
Lease Number: G31039	Source of Paleo: OPERATOR	Borehole MD: 17050
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17044
API Well Number: 427084063300	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 9200 - 17050	Water Depth: 48
Public Info Code: Y 20-JAN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nanno species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9200 / 9200	DEF AT first sample examined	DEF AT 3
9201 / 9201	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
9230 / 9230	POS AT maximum flooding surface	DEF AT 3
9260 / 9260	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
9410 / 9410	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
9650 / 9650	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10160 /10160	DEF AT sample gap top	DEF AT 3
10220 /10220	DEF AT sample gap bottom	DEF AT 3
10429 /10429	POS AT maximum flooding surface	DEF AT 3
10430 /10430	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11210 /11209	DEF AT -----	DEF AT 4
11500 /11499	POS AT maximum flooding surface	DEF AT 4
11750 /11749	DEF AT maximum flooding surface	DEF AT 4
12140 /12139	DEF AT maximum flooding surface	DEF AT 4
12200 /12199	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 4
13430 /13428	POS AT maximum flooding surface	DEF AT 4
13790 /13788	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
13800 /13798	POS AT maximum flooding surface	DEF AT 4
13910 /13908	POS IN Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
14150 /14148	DEF AT -----	DEF AT 5
14350 /14348	POS AT maximum flooding surface	DEF AT 5
14360 /14358	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 133	<b>Date of Summary:</b> 24-SEP-2009	<b>First Sample Examined:</b> 9200
<b>Lease Number:</b> G31039	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17050
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17044
<b>API Well Number:</b> 427084063300	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9200 - 17050	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 20-JAN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14690 /14687	POS IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT 5
14810 /14807	POS AT maximum flooding surface	DEF AT 5
15110 /15107	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
16550 /16545	POS AT maximum flooding surface	DEF AT 5
17050 /17044	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 134	Date of Summary: 11-SEP-1990	First Sample Examined: 0
Lease Number: G06158	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12192
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 9855
API Well Number: 427084033400	Drilling Operator: CONOCO INC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 05-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11200 / 9090	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 134	Date of Summary: 05-APR-2000	First Sample Examined: 0
Lease Number: G06158	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12515
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 10671
API Well Number: 427084042800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 23-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9678 / 8946	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9950 / 9190	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 134  
 Lease Number: G06158  
 Well Name: B001  
 API Well Number: 427084049600  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 23-JUN-2006

Date of Summary: 29-SEP-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11711  
 Borehole TVD: 10423  
 Rkb Elevation: 95  
 Water Depth: 47  
 Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5984 / 5984	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8251 / 8227	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8775 / 8697	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10094 / 9534	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11528 / 10312	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 134	Date of Summary: 19-NOV-1999	First Sample Examined: 11190
Lease Number: G06158	Source of Paleo: OPERATOR	Borehole MD: 11711
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10423
API Well Number: 427084049600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 95
Paleo Report Num: 2 of 2	Sample Range: 11190 - 11700	Water Depth: 47
Public Info Code: Y 23-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11190 /10115	DEF AT first sample examined	DEF AT
11191 /10115	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
11220 /10131	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
11280 /10165	POS AT Lower Miocene (Aquitania) Discoaster saundersi	DEF AT
11340 /10200	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11700 /10416	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 138  
 Lease Number: G09079  
 Well Name: A001  
 API Well Number: 427084032400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 08-MAY-2000

Date of Summary: 16-JAN-1998  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: HOUSTON EXPLORATION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13665  
 Borehole TVD: 13659  
 Rkb Elevation: 81  
 Water Depth: 48  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7990 / 7989	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10865 /10863	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
12636 /12633	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 138	Date of Summary: 05-AUG-2008	First Sample Examined: 10060
Lease Number: G31040	Source of Paleo: OPERATOR	Borehole MD: 16861
Well Name: D001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15301
API Well Number: 427084062700	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 10060 - 16891	Water Depth: 49
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10060 / 9801	DEF AT first sample examined	DEF AT 2
10061 / 9802	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
10090 / 9827	DEF AT sample gap top	POS AT 2
10360 /10059	DEF AT sample gap bottom	DEF AT 2
10390 /10085	POS IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 2
11600 /11126	POS AT sequence boundary	DEF AT 2
11690 /11205	POS AT maximum flooding surface	DEF AT 3
12650 /12041	DEF AT - - - - -	DEF AT 2
13430 /12720	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 2
13490 /12773	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 2
13580 /12853	POS AT maximum flooding surface	DEF AT 3
13970 /13190	POS AT sequence boundary	DEF AT 3
14482 /13631	DEF AT maximum flooding surface	DEF AT 3
14483 /13632	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
15053 /14064	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 3
15901 /14646	POS AT sequence boundary	DEF AT 3
16111 /14789	POS AT maximum flooding surface	DEF AT 3
16891 /	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 138	<b>Date of Summary:</b> 15-SEP-2008	<b>First Sample Examined:</b> 16570
<b>Lease Number:</b> G31040	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16959
<b>Well Name:</b> D001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15499
<b>API Well Number:</b> 427084062701	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16570 - 16959	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report,16590-16959=unmarked samples

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16570 /15188	DEF AT first sample examined	DEF IN 3
16571 /15188	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 3
16572 /15189	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
16590 /15203	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
16959 /15499	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 139	Date of Summary: 09-MAY-2006	First Sample Examined: 10280
Lease Number: G27505	Source of Paleo: OPERATOR	Borehole MD: 15499
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15480
API Well Number: 427084061500	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 10280 - 15499	Water Depth: 51
Public Info Code: Y 20-MAR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 /10272	DEF AT first sample examined	DEF IN 2
10340 /10331	POS IN Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
11330 /11321	DEF AT - - - - -	DEF AT 3
12830 /12820	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
15050 /15032	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
15110 /15092	DEF AT - - - - -	DEF AT 4
15260 /15242	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
15450 /15431	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 4
15480 /15461	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 4
15499 /15480	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 139	<b>Date of Summary:</b> 09-MAY-2006	<b>First Sample Examined:</b> 15172
<b>Lease Number:</b> G27505	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15595
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15500
<b>API Well Number:</b> 427084061501	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15172 - 15592	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 20-MAR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15172 /15095	DEF AT first sample examined	DEF IN 3
15472 /15382	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 3
15592 /15497	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 140	Date of Summary: 12-AUG-1992	First Sample Examined: 7000
Lease Number: 00518	Source of Paleo: OPERATOR	Borehole MD: 11310
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 11310
API Well Number: 427084036800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 1000 - 11310	Water Depth: 45
Public Info Code: Y 11-JAN-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6999	DEF AT first sample examined	DEF AT 1
7450 / 7449	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 1
9070 / 9068	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 1
9340 / 9338	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 1
11310 / 11308	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 140	Date of Summary: 01-JUN-1994	First Sample Examined: 0
Lease Number: 00518	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9945
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 9750
API Well Number: 427084039200	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 53
Public Info Code: Y 16-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7621 / 7494	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 140	Date of Summary: 27-AUG-2003	First Sample Examined: 11060
Lease Number: 00518	Source of Paleo: OPERATOR	Borehole MD: 12935
Well Name: C005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11176
API Well Number: 427084057300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 11060 - 12935	Water Depth: 53
Public Info Code: Y 02-SEP-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11060 / 9740	DEF AT first sample examined	DEF AT 3
11061 / 9741	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12935 /11176	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 141	Date of Summary: 17-NOV-1999	First Sample Examined: 0
Lease Number: G14864	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8200
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8200
API Well Number: 427084050000	Drilling Operator: TDC ENERGY CORPORATION	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 06-NOV-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7277 / 7277	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 141	Date of Summary: 19-MAR-2001	First Sample Examined: 0
Lease Number: G14864	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8420
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7504
API Well Number: 427084053000	Drilling Operator: TDC ENERGY CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 18-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7277 / 6933	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 154	Date of Summary: 05-OCT-2001	First Sample Examined: 0
Lease Number: G15778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20915
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 12294
API Well Number: 427084050402	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 09-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18130 /10889	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 156	<b>Date of Summary:</b> 14-AUG-2006	<b>First Sample Examined:</b> 12800
<b>Lease Number:</b> G27507	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15699
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15677
<b>API Well Number:</b> 427084061600	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12800 - 15699	<b>Water Depth:</b> 51
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12800 /12779	DEF AT first sample examined	DEF AT 3
12801 /12780	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13010 /12989	DEF AT sample gap top	POS AT 3
13129 /13108	DEF AT sample gap bottom	DEF AT 3
13130 /13109	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13250 /13229	DEF AT -----	DEF AT 4
13730 /13709	DEF AT -----	DEF AT 3
14450 /14429	DEF AT -----	DEF AT 2
14720 /14699	DEF AT -----	DEF AT 3
14990 /14969	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 3
15170 /15149	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 4
15320 /15298	POS AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 4
15440 /15418	DEF AT -----	DEF AT 5
15699 /15677	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 160	Date of Summary: 30-NOV-1995	First Sample Examined: 0
Lease Number: 00742	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9596
Well Name: JA005	Paleo Done By: OPERATOR	Borehole TVD: 8937
API Well Number: 427084041701	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 11-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8140 / 7481	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
8600 / 7941	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT
9115 / 8456	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 161	Date of Summary: 16-AUG-2004	First Sample Examined: 4520
Lease Number: 00744	Source of Paleo: OPERATOR	Borehole MD: 14283
Well Name: 011	Paleo Done By: OPERATOR	Borehole TVD: 13550
API Well Number: 427084059000	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 4520 - 14283	Water Depth: 51
Public Info Code: Y 09-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4520 / 4520	DEF AT first sample examined	DEF AT 2
4521 / 4521	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
4620 / 4620	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
4940 / 4940	DEF AT faunal change (no faunal increase)	DEF IN 1
5240 / 5240	POS AT reworked material	DEF IN 1
5300 / 5300	DEF AT faunal change (no faunal increase)	DEF AT 2
5540 / 5540	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
5690 / 5690	DEF AT faunal change (no faunal increase)	DEF IN 1
6020 / 6020	DEF AT faunal change (no faunal increase)	DEF AT 2
6320 / 6320	DEF AT foram flood	DEF IN 2
6620 / 6620	DEF AT faunal change (no faunal increase)	DEF AT 1
6920 / 6920	DEF AT faunal change (no faunal increase)	DEF AT 2
7520 / 7519	DEF AT faunal change (no faunal increase)	DEF IN 2
7580 / 7579	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
7610 / 7609	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
7670 / 7669	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 2
7790 / 7789	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 2
7820 / 7819	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 3
7970 / 7969	DEF AT local marker (general)	DEF AT 3
8000 / 7999	DEF AT Eggerella sp. (local marker)	DEF AT 3
8120 / 8119	DEF AT Arenaceous fauna (local marker)	DEF AT 3
8270 / 8269	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 161	Date of Summary: 16-AUG-2004	First Sample Examined: 4520
Lease Number: 00744	Source of Paleo: OPERATOR	Borehole MD: 14283
Well Name: 011	Paleo Done By: OPERATOR	Borehole TVD: 13550
API Well Number: 427084059000	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 4520 - 14283	Water Depth: 51
Public Info Code: Y 09-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8720 / 8719	DEF AT faunal change (no faunal increase)	DEF AT 1
8870 / 8869	DEF AT faunal change (no faunal increase)	DEF IN 2
9060 / 9058	DEF AT faunal change (no faunal increase)	DEF AT 2
9900 / 9898	DEF AT faunal change (no faunal increase)	DEF IN 2
10080 /10078	DEF AT faunal change (no faunal increase)	DEF IN 1
10290 /10287	DEF AT faunal change (no faunal increase)	DEF AT 2
10380 /10376	DEF AT faunal change (no faunal increase)	DEF IN 2
10410 /10405	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
10530 /10522	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
11520 /11436	DEF AT faunal change (no faunal increase)	POS AT 1
12120 /11925	DEF AT faunal change (no faunal increase)	DEF IN 2
12420 /12161	DEF AT foram flood	DEF IN 2
12480 /12208	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 2
12540 /12254	DEF AT faunal change (no faunal increase)	DEF AT 3
12660 /12347	DEF AT faunal change (no faunal increase)	DEF AT 1
13170 /12738	DEF AT faunal change (no faunal increase)	DEF AT 2
13290 /12828	DEF AT faunal change (no faunal increase)	DEF AT 1
13410 /12919	DEF AT faunal change (no faunal increase)	DEF AT 2
13440 /12941	DEF AT faunal change (no faunal increase)	DEF IN 2
13500 /12987	DEF AT faunal change (no faunal increase)	POS AT 1
14160 /13465	DEF AT local marker benthic foram increase	DEF AT 3
14283 /13550	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 162	Date of Summary: 01-NOV-2003	First Sample Examined: 4990
Lease Number: G21343	Source of Paleo: OPERATOR	Borehole MD: 13221
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13220
API Well Number: 427084058000	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4990 - 13230	Water Depth: 54
Public Info Code: Y 30-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4990 / 4990	DEF AT first sample examined	DEF AT 2
4991 / 4991	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
5080 / 5080	DEF AT -----	DEF IN 1
5200 / 5200	DEF AT -----	DEF AT 2
5260 / 5260	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
5500 / 5500	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
5620 / 5620	DEF AT -----	DEF AT 1
5800 / 5800	DEF AT -----	DEF AT 2
6490 / 6490	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6970 / 6970	DEF AT -----	DEF IN 1
7090 / 7090	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
7330 / 7330	DEF AT -----	DEF IN 2
7959 / 7959	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 2
7960 / 7960	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 2
8140 / 8140	DEF AT local marker deep water fauna	DEF IN 3
8260 / 8260	DEF AT -----	DEF IN 2
8980 / 8980	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 2
9130 / 9130	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 2
9340 / 9340	DEF AT -----	DEF AT 3
9490 / 9490	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
9550 / 9550	DEF AT -----	DEF AT 2
9580 / 9580	DEF AT -----	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 162	Date of Summary: 01-NOV-2003	First Sample Examined: 4990
Lease Number: G21343	Source of Paleo: OPERATOR	Borehole MD: 13221
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13220
API Well Number: 427084058000	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4990 - 13230	Water Depth: 54
Public Info Code: Y 30-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9760 / 9760	DEF AT foram flood	DEF IN 2
9820 / 9820	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10000 /10000	POS AT fault	DEF AT 3
10090 /10090	DEF AT local marker foram decrease	DEF AT 3
10390 /10390	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10480 /10480	DEF AT pyrite	DEF AT 3
11529 /11528	DEF AT local marker planktic foram increase	DEF AT 3
11530 /11529	DEF AT foram flood	DEF AT 3
12040 /12039	DEF AT -----	DEF AT 2
12070 /12069	DEF AT -----	DEF AT 3
13000 /12999	POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
13230 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 162	<b>Date of Summary:</b> 30-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21343	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11276
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10927
<b>API Well Number:</b> 427084052800	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 30-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9390 / 9375	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10324 /10214	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 162  
 Lease Number: G21343  
 Well Name: A001  
 API Well Number: 427084052801  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-NOV-2004

Date of Summary: 21-FEB-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MARINER GULF OF MEXICO LLC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14075  
 Borehole TVD: 12314  
 Rkb Elevation: 96  
 Water Depth: 50  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6540 / 6540	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8460 / 8460	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9030 / 9027	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
14075 / 12314	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 162	<b>Date of Summary:</b> 14-SEP-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G22236	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13411
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12307
<b>API Well Number:</b> 427084054400	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 05-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4568 / 4548	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7050 / 7029	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
7420 / 7399	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
7920 / 7899	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8670 / 8649	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9900 / 9876	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10160 / 10126	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11640 / 11227	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 164	Date of Summary: 04-OCT-2001	First Sample Examined: 0
Lease Number: G17149	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7331
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6100
API Well Number: 427084054700	Drilling Operator: PRS OFFSHORE LP	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 12-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6970 / 5820	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 165	Date of Summary: 01-JAN-2006	First Sample Examined: 4500
Lease Number: G23197	Source of Paleo: OPERATOR	Borehole MD: 16213
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16209
API Well Number: 427084061102	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4500 - 16180	Water Depth: 48
Public Info Code: Y 20-FEB-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, NCR & Associates, foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4499	DEF AT first sample examined	DEF AT 1
4740 / 4739	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 1
5340 / 5339	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 1
5490 / 5489	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 1
5550 / 5549	DEF AT -----	DEF AT 1
7050 / 7049	DEF AT Cyclammina cancellata (local marker)	DEF AT 1
7120 / 7119	DEF AT -----	DEF AT 2
7240 / 7239	DEF AT -----	DEF AT 1
7750 / 7749	DEF AT foram flood	DEF IN 2
7960 / 7959	DEF AT Arenaceous fauna (local marker)	DEF AT 3
7990 / 7989	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
8050 / 8049	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
8200 / 8199	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
8260 / 8259	DEF AT local marker benthic foram increase	DEF AT 3
8350 / 8349	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
8500 / 8499	DEF AT Bathysiphon fauna	DEF AT 3
8680 / 8679	DEF AT -----	DEF AT 2
9550 / 9549	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
9610 / 9609	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
9970 / 9969	DEF AT -----	DEF AT 3
10030 /10029	DEF AT local marker benthic foram increase	DEF AT 3
10480 /10479	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 165	Date of Summary: 01-JAN-2006	First Sample Examined: 4500
Lease Number: G23197	Source of Paleo: OPERATOR	Borehole MD: 16213
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16209
API Well Number: 427084061102	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4500 - 16180	Water Depth: 48
Public Info Code: Y 20-FEB-2011	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10720 /10719	DEF AT reworked material	DEF AT 3
10780 /10779	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10810 /10809	DEF AT reworked material	DEF AT 3
11050 /11049	DEF AT -----	DEF AT 2
12010 /12008	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
12160 /12158	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12310 /12308	DEF AT -----	DEF AT 2
12700 /12698	DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
13720 /13718	DEF AT -----	DEF IN 2
14450 /14447	DEF AT local marker benthic foram increase	DEF AT 3
14740 /14737	DEF AT -----	DEF IN 3
14780 /14777	DEF IN Middle Miocene (Langhian) Cibicides 38	DEF AT 3
14800 /14797	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
14890 /14887	DEF AT local marker deep water fauna	DEF AT 4
14920 /14917	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
15100 /15097	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15190 /15187	DEF AT -----	DEF AT 4
15700 /15697	DEF AT Eggerella sp. (local marker)	DEF AT 4
16180 /16176	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 165	Date of Summary: 01-JAN-2006	First Sample Examined: 16020
Lease Number: G23197	Source of Paleo: OPERATOR	Borehole MD: 17029
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 427084061103	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 16020 - 17020	Water Depth: 48
Public Info Code: Y 20-FEB-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, NCR & Associates, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16020 /15995	DEF AT first sample examined	DEF AT 4
16021 /15996	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
16210 /16185	DEF AT transported inner shelf facies	POS AT 4
16960 /16930	DEF AT - - - - -	DEF AT 4
17020 /16989	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 169	Date of Summary: 24-JAN-2000	First Sample Examined: 0
Lease Number: G14161	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14510
API Well Number: 427084047200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 07-DEC-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 /11009	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12600 /12599	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
14130 /14114	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 170	Date of Summary: 03-MAR-2005	First Sample Examined: 7000
Lease Number: G25561	Source of Paleo: OPERATOR	Borehole MD: 15755
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15078
API Well Number: 427084060001	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 7000 - 15750	Water Depth: 54
Public Info Code: Y 10-MAR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6989	DEF AT first sample examined	DEF AT 3
7090 / 7079	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
7560 / 7549	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
8370 / 8358	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
8430 / 8418	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
9120 / 9108	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
9210 / 9198	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
11250 /11230	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
13050 /12906	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
13890 /13610	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14580 /14165	DEF AT -----	DEF AT 4
14760 /14306	POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
15030 /14517	DEF AT -----	DEF AT 3
15750 /15082	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 170	<b>Date of Summary:</b> 03-MAR-2005	<b>First Sample Examined:</b> 11730
<b>Lease Number:</b> G25561	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15755
<b>Well Name:</b> C002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15078
<b>API Well Number:</b> 427084060001	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11730 - 15750	<b>Water Depth:</b> 54
<b>Public Info Code:</b> Y 10-MAR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11730 /11697	DEF AT first sample examined	DEF AT
11731 /11698	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
14640 /14212	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
15750 /15082	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> HI 174	<b>Date of Summary:</b> 01-APR-2002	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G17151	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20034
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16441
<b>API Well Number:</b> 427084055900	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4000 - 20020	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 07-DEC-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Paleo done by Rachel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT 1
4390 / 4389	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
4600 / 4599	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 1
4780 / 4779	DEF AT -----	DEF IN 1
4840 / 4839	DEF AT -----	DEF AT 2
4900 / 4899	DEF AT -----	DEF IN 1
5110 / 5109	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 1
5290 / 5289	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 1
5530 / 5529	DEF AT -----	DEF AT 2
5980 / 5979	DEF AT -----	DEF AT 1
6250 / 6249	DEF AT -----	DEF AT 2
6430 / 6429	DEF AT -----	DEF IN 1
6670 / 6669	DEF AT -----	DEF AT 1
6880 / 6879	DEF AT -----	DEF IN 1
7030 / 7029	DEF AT foram flood	DEF IN 2
7840 / 7839	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
8020 / 8019	DEF AT -----	DEF AT 1
8200 / 8199	DEF AT local marker deep water fauna	DEF AT 2
8320 / 8318	DEF AT local marker foram increase	DEF AT 2
8740 / 8738	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
9790 / 9786	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
9850 / 9846	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 174	<b>Date of Summary:</b> 01-APR-2002	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G17151	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20034
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16441
<b>API Well Number:</b> 427084055900	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4000 - 20020	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 07-DEC-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9940 / 9936	DEF AT -----	DEF IN 3
10090 /10085	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 3
10150 /10145	POS AT Middle Miocene (Langhian) Globigerinoides sicani	DEF IN 3
10420 /10409	DEF AT -----	DEF AT 4
10720 /10694	POS AT Arenaceous fauna (local marker)	DEF AT 4
10880 /10838	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11590 /11376	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
11680 /11433	DEF AT -----	DEF IN 3
11690 /11439	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
11920 /11571	DEF AT -----	DEF AT 2
12100 /11654	DEF AT foram flood	DEF AT 2
12160 /11679	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12580 /11846	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12760 /11923	DEF AT -----	DEF IN 2
13960 /12592	DEF AT -----	DEF AT 3
14620 /12993	DEF AT -----	DEF AT 2
15220 /13364	DEF AT -----	DEF IN 2
16420 /14121	POS AT fault	DEF IN 2
17380 /14733	DEF AT -----	DEF AT 3
17710 /14942	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
19300 /15952	DEF AT -----	DEF AT 2
20020 /16432	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 175	Date of Summary: 01-MAY-2002	First Sample Examined: 4000
Lease Number: G22238	Source of Paleo: OPERATOR	Borehole MD: 14037
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13279
API Well Number: 427084055601	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4000 - 13950	Water Depth: 50
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT first sample examined	DEF AT 1
4090 / 4089	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
4430 / 4429	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 1
4810 / 4808	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 1
4990 / 4987	DEF AT -----	DEF IN 1
5990 / 5985	DEF AT -----	DEF AT 1
7030 / 7025	DEF AT foram flood	DEF IN 1
7200 / 7195	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 1
7440 / 7435	DEF AT -----	DEF AT 1
8430 / 8419	DEF AT -----	DEF AT 2
8460 / 8449	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
8760 / 8746	DEF AT -----	DEF AT 1
9090 / 9074	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
9420 / 9402	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
10080 /10059	DEF AT -----	DEF IN 1
10140 /10119	DEF AT -----	DEF AT 2
10500 /10477	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
10710 /10685	DEF AT local marker planktic foram increase	DEF IN 2
10711 /10686	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 2
11430 /11398	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
11760 /11715	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
11820 /11771	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 175	<b>Date of Summary:</b> 01-MAY-2002	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G22238	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14037
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13279
<b>API Well Number:</b> 427084055601	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4000 - 13950	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 20-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11850 /11798	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
12030 /11959	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
12390 /12263	DEF AT -----	DEF AT 1
13320 /12886	DEF AT -----	DEF IN 1
13950 /13233	DEF AT last sample examined	DEF IN 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 175	Date of Summary: 01-JUN-2002	First Sample Examined: 10300
Lease Number: G22238	Source of Paleo: OPERATOR	Borehole MD: 18854
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15695
API Well Number: 427084055602	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10300 - 18854	Water Depth: 50
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10300 /10278	DEF AT first sample examined	DEF AT
10330 /10307	POS IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10360 /10337	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 3
10510 /10485	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 3
10690 /10663	DEF AT local marker planktic foram increase	DEF IN 3
10691 /10664	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 3
10900 /10869	DEF AT Eggerella sp. (local marker)	DEF IN 3
11020 /10985	DEF AT Arenaceous fauna (local marker)	DEF IN 3
11500 /11424	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
11590 /11502	DEF AT local marker (general)	DEF IN 3
11880 /11746	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
11960 /11812	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
12060 /11895	DEF AT -----	DEF AT 2
12231 /12033	DEF AT -----	DEF AT 1
12340 /12120	DEF AT -----	DEF IN 1
12370 /12143	DEF AT -----	DEF AT 2
12400 /12167	DEF AT -----	DEF AT 1
13120 /12673	DEF AT -----	DEF AT 2
13360 /12829	DEF AT -----	DEF IN 2
13450 /12885	DEF AT -----	DEF AT 1
14130 /13278	DEF AT -----	DEF AT 2
14340 /13393	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 175  
 Lease Number: G22238  
 Well Name: 002  
 API Well Number: 427084055602  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 20-JUL-2010

Date of Summary: 01-JUN-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: MARINER GULF OF MEXICO LLC  
 Sample Range: 10300 - 18854  
 Ecozone Eq MMS: Y

First Sample Examined: 10300  
 Borehole MD: 18854  
 Borehole TVD: 15695  
 Rkb Elevation: 96  
 Water Depth: 50  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14970 /13720	DEF AT -----	DEF AT 2
16350 /14434	DEF AT -----	DEF AT 1
16830 /14676	DEF AT -----	DEF AT 2
16920 /14721	DEF AT -----	DEF IN 2
17190 /14855	DEF AT -----	DEF AT 3
17520 /15018	DEF AT local marker (general)	DEF AT 3
18854 /15696	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 176  
 Lease Number: G06167  
 Well Name: C002  
 API Well Number: 427084044100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-OCT-2006

Date of Summary: 03-DEC-1996  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: APACHE CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12434  
 Borehole TVD: 9750  
 Rkb Elevation: 85  
 Water Depth: 51  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10195 / 8154	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10834 / 8605	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11990 / 9427	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 176	Date of Summary: 21-MAR-1997	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12954
Well Name: C003	Paleo Done By: OPERATOR	Borehole TVD: 9588
API Well Number: 427084044900	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 51
Public Info Code: Y 11-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11280 / 8516	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12507 / 9298	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 176	Date of Summary: 23-MAY-1997	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15246
Well Name: C004	Paleo Done By: OPERATOR	Borehole TVD: 9660
API Well Number: 427084045400	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 05-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13079 / 8540	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
14550 / 9320	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 176	Date of Summary: 04-DEC-1997	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15591
Well Name: C005	Paleo Done By: OPERATOR	Borehole TVD: 9486
API Well Number: 427084046700	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 22-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13539 / 8411	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
15038 / 9188	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 176  
 Lease Number: G06167  
 Well Name: C006  
 API Well Number: 427084050800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 01-MAY-2010

Date of Summary: 06-JUN-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: APACHE CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 17835  
 Borehole TVD: 8887  
 Rkb Elevation: 119  
 Water Depth: 54  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10671 / 5688	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11492 / 6044	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
16594 / 8309	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 176	<b>Date of Summary:</b> 28-JUN-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06167	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 18028
<b>Well Name:</b> C006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8940
<b>API Well Number:</b> 427084050801	<b>Drilling Operator:</b> APACHE CORPORATION	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 54
<b>Public Info Code:</b> Y 10-JUN-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10486 / 5705	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11320 / 6063	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
16732 / 8378	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 176  
 Lease Number: G06167  
 Well Name: C007  
 API Well Number: 427084051900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 10-OCT-2010

Date of Summary: 24-OCT-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: APACHE CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 18378  
 Borehole TVD: 8820  
 Rkb Elevation: 119  
 Water Depth: 54  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9638 / 5744	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
17019 / 8287	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 177  
 Lease Number: G06165  
 Well Name: A005  
 API Well Number: 427084041900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 22-JAN-2006

Date of Summary: 10-JUN-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13030  
 Borehole TVD: 11701  
 Rkb Elevation: 115  
 Water Depth: 55  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8695 / 7919	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9548 / 8650	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
10550 / 9523	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
11400 / 10251	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
12189 / 10937	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 196	Date of Summary: 11-AUG-1983	First Sample Examined: 12190
Lease Number: G06168	Source of Paleo: OPERATOR	Borehole MD: 14084
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 13623
API Well Number: 427084057600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 12190 - 14080	Water Depth: 45
Public Info Code: Y 06-SEP-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12190 /12157	DEF AT first sample examined	DEF IN 2
12191 /12158	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
12250 /12215	DEF AT - - - - -	DEF AT 4
12700 /12635	DEF AT local marker foram increase	DEF AT 4
13060 /12942	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
13210 /13060	DEF AT - - - - -	DEF IN 3
13570 /13309	DEF AT local marker planktic foram increase	DEF IN 3
13720 /13402	DEF AT - - - - -	DEF AT 2
13840 /13476	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
14080 /13620	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 197	Date of Summary: 08-NOV-2001	First Sample Examined: 0
Lease Number: G22238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14600
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14598
API Well Number: 427084054800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7600 / 7600	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9550 / 9550	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10150 /10150	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11680 /11679	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12130 /12129	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
14260 /14258	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 200	Date of Summary: 01-AUG-2005	First Sample Examined: 6990
Lease Number: G09086	Source of Paleo: OPERATOR	Borehole MD: 11092
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 10674
API Well Number: 427084060800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 6990 - 11093	Water Depth: 50
Public Info Code: Y 28-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 6989	DEF AT first sample examined	DEF AT 2
6991 / 6990	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7140 / 7138	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 2
7230 / 7227	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
7290 / 7286	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
7680 / 7659	DEF AT - - - - -	DEF AT 2
8070 / 8011	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
8520 / 8403	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
8580 / 8454	DEF AT foram flood	DEF AT 3
8760 / 8607	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 3
9180 / 8972	DEF AT foram flood	DEF AT 3
9210 / 8999	DEF AT - - - - -	DEF IN 2
9240 / 9025	DEF AT - - - - -	DEF AT 3
9480 / 9236	DEF AT foram flood	DEF IN 3
9570 / 9315	DEF AT Arenaceous fauna (local marker)	DEF IN 3
9660 / 9395	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
9870 / 9578	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
9930 / 9631	DEF IN Middle Miocene (Langhian) Cibicides 38	DEF IN 3
10110 / 9788	DEF AT - - - - -	DEF IN 3
10590 / 10216	DEF AT cement	DEF AT 2
10800 / 10406	DEF AT - - - - -	DEF IN 2
10860 / 10461	DEF AT - - - - -	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 200	Date of Summary: 01-AUG-2005	First Sample Examined: 6990
Lease Number: G09086	Source of Paleo: OPERATOR	Borehole MD: 11092
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 10674
API Well Number: 427084060800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 6990 - 11093	Water Depth: 50
Public Info Code: Y 28-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11070 /10654	DEF AT last sample examined	DEF IN 2

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 200	<b>Date of Summary:</b> 21-DEC-1990	<b>First Sample Examined:</b> 4100
<b>Lease Number:</b> G09086	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12664
<b>Well Name:</b> A001	<b>Paleo Done By:</b> DAVID L. DUNN	<b>Borehole TVD:</b> 11802
<b>API Well Number:</b> 427084035400	<b>Drilling Operator:</b> TRANSCO EXPLORATION COMPANY	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4100 - 12664	<b>Water Depth:</b> 51
<b>Public Info Code:</b> Y 18-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4100 / 4100	DEF AT first sample examined	DEF AT 3
4101 / 4101	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
5090 / 5090	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
5210 / 5210	DEF AT -----	DEF AT 2
5540 / 5540	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5870 / 5870	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6080 / 6080	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
6350 / 6350	DEF AT -----	DEF AT 3
7190 / 7186	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
7280 / 7275	DEF AT -----	DEF AT 4
8210 / 8130	DEF AT -----	DEF IN 4
8780 / 8607	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 4
8810 / 8632	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
9890 / 9521	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4
9920 / 9545	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 4
11120 /10497	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 4
11810 /11070	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 4
12290 /11480	DEF AT -----	DEF IN 4
12590 /11739	DEF AT -----	DEF AT 5
12664 /11803	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 201	Date of Summary: 14-APR-2004	First Sample Examined: 9100
Lease Number: G23199	Source of Paleo: OPERATOR	Borehole MD: 12700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12694
API Well Number: 427084058700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 9100 - 12700	Water Depth: 47
Public Info Code: Y 05-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9100 / 9099	DEF AT first sample examined	DEF AT 2
9150 / 9149	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
9390 / 9389	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
9400 / 9399	DEF AT faunal change (no faunal increase)	DEF IN 2
9540 / 9539	DEF AT cement	DEF IN 2
9570 / 9569	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
9600 / 9599	DEF AT local marker benthic foram increase	DEF IN 2
9610 / 9609	DEF AT faunal change (no faunal increase)	DEF AT 3
9630 / 9629	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
9659 / 9658	DEF AT limestone	DEF AT 3
9660 / 9659	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
9840 / 9839	DEF AT local marker planktic foram increase	DEF IN 3
10110 /10109	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 3
10560 /10558	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
10830 /10828	DEF IN Middle Miocene (Langhian) Cibicides 38	DEF IN 3
10831 /10829	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
12360 /12355	POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 3
12700 /12694	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 202	<b>Date of Summary:</b> 30-DEC-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14870	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13493
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13484
<b>API Well Number:</b> 427084049900	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 03-MAR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7716 / 7716	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8425 / 8425	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
12100 / 12096	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 202	<b>Date of Summary:</b> 15-JAN-2002	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14870	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13493
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13484
<b>API Well Number:</b> 427084049900	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 03-MAR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10990 /10989	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11315 /11314	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12100 /12096	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI 202	<b>Date of Summary:</b> 26-JUN-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14870	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15749
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14477
<b>API Well Number:</b> 427084050600	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 03-MAR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7876 / 7716	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8598 / 8341	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10944 /10427	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
13171 /12304	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 202	Date of Summary: 15-MAY-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14672
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13322
API Well Number: 427084051500	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7811 / 7810	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8442 / 8441	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10426 /10354	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12380 /11727	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 202	Date of Summary: 12-FEB-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13730
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13305
API Well Number: 427084052700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12064 / 11643	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 202	Date of Summary: 26-MAR-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14300
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 13206
API Well Number: 427084053101	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9902 / 9900	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11802 / 11650	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 202	Date of Summary: 28-SEP-2000	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8235
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 6400
API Well Number: 427084051400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7435 / 5798	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 202	Date of Summary: 28-JUL-2000	First Sample Examined: 0
Lease Number: G21346	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8230
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 6498
API Well Number: 427084051600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 09-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7667 / 6100	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 202	Date of Summary: 27-SEP-2000	First Sample Examined: 0
Lease Number: G21347	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9940
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 6652
API Well Number: 427084051801	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 03-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8800 / 5997	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 206	Date of Summary: 11-APR-2000	First Sample Examined: 8990
Lease Number: G20660	Source of Paleo: OPERATOR	Borehole MD: 11974
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10900
API Well Number: 427084050900	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8990 - 11974	Water Depth: 54
Public Info Code: Y 25-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8990 / 7916	DEF AT first sample examined	DEF AT 2
8991 / 7917	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
9370 / 8296	DEF AT - - - - -	DEF AT 3
9700 / 8626	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
10210 / 9136	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
11974 / 10898	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 206	Date of Summary: 15-MAY-2000	First Sample Examined: 0
Lease Number: G20660	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8996
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 7600
API Well Number: 427084051200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 26-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6694 / 5908	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
7858 / 6750	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 206	Date of Summary: 01-NOV-2002	First Sample Examined: 4500
Lease Number: G20660	Source of Paleo: OPERATOR	Borehole MD: 12984
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 12983
API Well Number: 427084056500	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 4500 - 12990	Water Depth: 55
Public Info Code: Y 24-DEC-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rachel N Rosen, NCR and Associates, 9720=rare Eponides ornata, 10480=common Uvigerina spp, 10500=Liebusella sp, 10650=Bolivina floridana, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT
4501 / 4501	DEF AT Upper (Late) Miocene	DEF AT
4560 / 4560	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
4690 / 4690	DEF AT shell fragments	DEF AT 1
5640 / 5640	DEF AT -----	DEF AT 2
5670 / 5670	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
5730 / 5730	DEF AT -----	DEF IN 1
5970 / 5970	DEF AT -----	DEF AT 2
6030 / 6030	DEF AT -----	DEF IN 1
6090 / 6090	DEF AT -----	DEF AT 2
6210 / 6210	DEF AT -----	DEF AT 1
6330 / 6330	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6510 / 6510	DEF AT -----	DEF IN 1
6780 / 6780	DEF AT -----	DEF AT 2
7170 / 7169	DEF AT -----	DEF AT 1
7890 / 7889	DEF AT -----	DEF AT 2
8250 / 8249	DEF AT foram flood	DEF AT 2
8640 / 8639	POS AT fault	DEF AT 4
8641 / 8640	POS AT unconformity	DEF AT 4
8642 / 8641	DEF IN deepwater facies Harang	DEF AT 4
8820 / 8819	DEF AT -----	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 206	Date of Summary: 01-NOV-2002	First Sample Examined: 4500
Lease Number: G20660	Source of Paleo: OPERATOR	Borehole MD: 12984
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 12983
API Well Number: 427084056500	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 4500 - 12990	Water Depth: 55
Public Info Code: Y 24-DEC-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9120 / 9119	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
9270 / 9269	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 2
9660 / 9659	DEF AT - - - - -	DEF AT 4
9689 / 9688	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
9690 / 9689	DEF AT local marker planktic foram increase	DEF AT 4
9720 / 9719	DEF AT local marker (general)	DEF AT 4
10020 /10019	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
10050 /10049	DEF AT local marker planktic foram increase	DEF AT 4
10260 /10259	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
10290 /10289	DEF AT - - - - -	DEF IN 3
10480 /10479	DEF AT local marker foram increase	DEF IN 3
10500 /10499	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10650 /10649	DEF AT local marker (general)	DEF IN 3
10680 /10679	POS AT Arenaceous fauna (local marker)	DEF IN 3
10860 /10859	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
10920 /10919	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
11010 /11009	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
11190 /11189	DEF AT local marker foram increase	DEF AT 4
12990 /	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 207	Date of Summary: 22-MAY-1997	First Sample Examined: 0
Lease Number: G08151	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13896
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9101
API Well Number: 427084044000	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 29-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12055 / 7923	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13034 / 8538	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 207	Date of Summary: 17-SEP-1998	First Sample Examined: 0
Lease Number: G08151	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11558
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10500
API Well Number: 427084042300	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 29-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6212 / 5689	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6855 / 6250	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
7270 / 6618	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8955 / 8157	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10690 / 9712	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 208	Date of Summary: 03-JUN-1997	First Sample Examined: 0
Lease Number: G07286	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12336
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10400
API Well Number: 427084045600	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9325 / 7439	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11160 / 9225	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
11906 / 9971	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 233	Date of Summary: 11-JUL-2001	First Sample Examined: 0
Lease Number: G22241	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9901
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9200
API Well Number: 427084054300	Drilling Operator: TDC ENERGY CORPORATION	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7688 / 7376	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 235	Date of Summary: 25-APR-2001	First Sample Examined: 0
Lease Number: G18941	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14601
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14585
API Well Number: 427084047902	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 31-DEC-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9750 / 9750	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12347 / 12340	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
15350 /	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 261	Date of Summary: 03-OCT-1990	First Sample Examined: 0
Lease Number: G08155	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13004
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 10645
API Well Number: 427084033600	Drilling Operator: FMP OPERATING COMPANY A LIMIT	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 02-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11012 / 9013	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11878 / 9703	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 261  
 Lease Number: G08155  
 Well Name: A001  
 API Well Number: 427084035201  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 01-JAN-2001

Date of Summary: 15-JUN-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: SANDEFER OFFSHORE PRODUCTION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11793  
 Borehole TVD: 10626  
 Rkb Elevation: 100  
 Water Depth: 62  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7448 / 6996	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8147 / 7597	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8868 / 8218	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9810 / 8994	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10740 / 9741	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI 262	Date of Summary: 11-SEP-1990	First Sample Examined: 0
Lease Number: G08155	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11822
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11296
API Well Number: 427084033800	Drilling Operator: FMP OPERATING COMPANY A LIMIT	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 12-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9658 / 9244	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10338 / 9887	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 1	Date of Summary: 10-SEP-1996	First Sample Examined: 4500
Lease Number: G15780	Source of Paleo: OPERATOR	Borehole MD: 11814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11814
API Well Number: 427084043700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4500 - 11814	Water Depth: 50
Public Info Code: Y 22-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 3
4590 / 4590	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
5760 / 5760	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
6660 / 6660	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
7020 / 7020	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
7440 / 7440	DEF AT local marker foram increase	DEF AT 3
8310 / 8310	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9440 / 9439	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 3
9500 / 9499	DEF AT local marker planktic foram increase	DEF AT 3
9770 / 9769	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
10130 /10128	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
10310 /10308	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
10460 /10457	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
10640 /10637	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
10820 /10817	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
11060 /11057	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
11210 /11207	DEF AT Bathysiphon fauna	DEF AT 4
11360 /11356	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
11450 /11447	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
11480 /11477	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
11510 /11507	DEF AT foram flood	DEF AT 4
11814 /11810	DEF AT last sample examined	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 1	<b>Date of Summary:</b> 10-SEP-1996	<b>First Sample Examined:</b> 11540
<b>Lease Number:</b> G15780	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11814
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11814
<b>API Well Number:</b> 427084043700	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11540 - 11780	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 22-JUN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11540 /11537	DEF AT first sample examined	DEF AT
11541 /11538	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11600 /11597	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
11780 /11777	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 1  
Lease Number: G15780  
Well Name: 002  
API Well Number: 427084048500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 22-JUN-2002

Date of Summary: 19-AUG-1999  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 15200  
Borehole TVD: 15180  
Rkb Elevation: 92  
Water Depth: 57  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10350 /10342	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10470 /10461	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
11610 /11598	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
14580 /14562	DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 1	<b>Date of Summary:</b> 06-JAN-2005	<b>First Sample Examined:</b> 7750
<b>Lease Number:</b> G25566	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16849
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14747
<b>API Well Number:</b> 427084059700	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7750 - 16849	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 22-FEB-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7750 / 7750	DEF AT first sample examined	DEF AT 3
7780 / 7780	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
8550 / 8550	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9298 / 9295	POS AT maximum flooding surface	DEF AT 3
9299 / 9296	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
9300 / 9297	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
9480 / 9473	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
9629 / 9618	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
9630 / 9619	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
9850 / 9831	POS AT maximum flooding surface	DEF AT 4
9960 / 9936	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
10140 /10105	DEF AT faunal change (no faunal increase)	DEF AT 3
10230 /10190	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
10290 /10246	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
10800 /10717	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
10918 /10823	POS AT maximum flooding surface	DEF AT 4
10919 /10823	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
10920 /10824	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
11190 /11060	POS AT maximum flooding surface	DEF AT 4
11280 /11136	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
11430 /11260	DEF AT - - - - -	DEF AT 3
11730 /11500	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 1	<b>Date of Summary:</b> 06-JAN-2005	<b>First Sample Examined:</b> 7750
<b>Lease Number:</b> G25566	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16849
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14747
<b>API Well Number:</b> 427084059700	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7750 - 16849	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 22-FEB-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12450 /12027	POS AT maximum flooding surface	DEF AT 3
13800 /12954	POS AT maximum flooding surface	DEF AT 3
14790 /13540	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
14840 /13568	POS AT maximum flooding surface	DEF AT 3
14880 /13591	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16770 /14699	POS AT maximum flooding surface	DEF AT 4
16830 /14735	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
16849 /14747	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 1	<b>Date of Summary:</b> 06-JAN-2005	<b>First Sample Examined:</b> 9990
<b>Lease Number:</b> G25566	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16849
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14747
<b>API Well Number:</b> 427084059700	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9990 - 16849	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 22-FEB-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9964	DEF AT first sample examined	DEF AT
9991 / 9965	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10530 /10470	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10890 /10798	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11009 /10903	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
11010 /10904	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11190 /11060	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11520 /11333	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
16500 /14537	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
16849 /14747	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 3  
Lease Number: G21345  
Well Name: 001  
API Well Number: 427084052400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-NOV-2004

Date of Summary: 29-MAR-2001  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
Sample Range: 6010 - 13680  
Ecozone Eq MMS: Y

First Sample Examined: 6010  
Borehole MD: 13670  
Borehole TVD: 13664  
Rkb Elevation: 102  
Water Depth: 60  
Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6010 / 6010	DEF AT first sample examined	DEF IN 3
6430 / 6430	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
6820 / 6819	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
9120 / 9116	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
9240 / 9236	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
10050 /10046	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
10290 /10286	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
11010 /11006	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
11190 /11186	DEF AT - - - - -	DEF AT 4
11220 /11216	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
11610 /11606	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
11730 /11725	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13020 /13015	DEF AT - - - - -	POS AT 5
13110 /13105	POS AT Middle Miocene (Serravallian) Cibicides opima	POS AT 5
13680 /	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 3  
Lease Number: G21345  
Well Name: 002  
API Well Number: 427084053200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-NOV-2004

Date of Summary: 03-MAY-2001  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
Sample Range: 4500 - 15480  
Ecozone Eq MMS: Y

First Sample Examined: 4500  
Borehole MD: 15634  
Borehole TVD: 15624  
Rkb Elevation: 96  
Water Depth: 60  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4495	DEF AT first sample examined	DEF AT 3
4530 / 4525	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
4950 / 4945	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
6420 / 6415	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
6630 / 6625	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
8910 / 8905	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9960 / 9955	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
9990 / 9985	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
10830 /10825	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
10890 /10885	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
11370 /11365	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
11460 /11455	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
11730 /11725	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
13140 /13134	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
14220 /14212	DEF AT foram flood	DEF AT 5
14250 /14242	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
14700 /14691	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
15480 /15470	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 5	Date of Summary: 01-AUG-2000	First Sample Examined: 11980
Lease Number: G17156	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16715
API Well Number: 427084049700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 11980 - 16720	Water Depth: 57
Public Info Code: Y 11-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11980	DEF AT first sample examined	DEF AT 2
11981 /11981	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 2
12040 /12040	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 3
12069 /12069	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
12070 /12070	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
12160 /12159	DEF AT local marker benthic foram increase	DEF AT 3
12190 /12189	POS AT local marker foram decrease	DEF AT 3
12310 /12309	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
12400 /12399	POS AT local marker foram decrease	DEF AT 3
12490 /12489	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
12730 /12729	DEF AT local marker foram decrease	POS AT 4
12910 /12909	POS AT Arenaceous fauna (local marker)	POS AT 4
12940 /12939	DEF AT sample gap top	POS AT 4
13179 /13178	DEF AT sample gap bottom	POS AT 3
13180 /13179	DEF AT cement	POS AT 3
13210 /13209	DEF AT sample gap top	POS AT 3
13689 /13688	DEF AT sample gap bottom	POS AT 3
13690 /13689	DEF AT cement	POS AT 3
13720 /13719	DEF AT sample gap top	POS AT 3
15097 /15095	DEF AT sample gap bottom	DEF AT 3
15098 /15096	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT 3
15099 /15097	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 5	<b>Date of Summary:</b> 01-AUG-2000	<b>First Sample Examined:</b> 11980
<b>Lease Number:</b> G17156	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16720
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16715
<b>API Well Number:</b> 427084049700	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11980 - 16720	<b>Water Depth:</b> 57
<b>Public Info Code:</b> Y 11-SEP-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15100 /15098	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	POS AT 3
15159 /15157	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
15160 /15158	DEF IN Lower Miocene (Burdigalian) Robulus 54B	POS AT 3
15190 /15188	DEF AT sample gap top	POS AT 3
15700 /15697	DEF AT sample gap bottom	POS AT 3
15760 /15757	DEF AT local marker foram increase	DEF IN 3
15789 /15786	DEF AT cement	POS AT 3
15790 /15787	DEF AT local marker foram decrease	POS AT 3
15940 /15937	DEF AT -----	DEF IN 3
16720 /16715	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 5	Date of Summary: 01-AUG-2000	First Sample Examined: 12990
Lease Number: G17156	Source of Paleo: OPERATOR	Borehole MD: 16572
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16564
API Well Number: 427084051101	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 12990 - 16550	Water Depth: 57
Public Info Code: Y 11-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12990 /12984	DEF AT first sample examined	POS AT 3
12991 /12985	DEF IN cement	DEF AT 3
13020 /13014	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
13050 /13044	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13260 /13254	POS AT local marker foram decrease	DEF IN 3
13500 /13494	DEF AT local marker foram increase	DEF IN 3
13680 /13674	DEF IN Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF IN 3
13709 /13703	DEF AT limestone	DEF AT 3
13710 /13704	DEF AT local marker foram decrease	DEF AT 3
13830 /13824	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
13860 /13854	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
13890 /13884	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
14160 /14154	POS AT local marker foram increase	DEF AT 3
14190 /14184	DEF AT local marker planktic foram increase	DEF AT 3
14460 /14454	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14790 /14784	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14820 /14814	DEF AT local marker foram decrease	DEF AT 3
15030 /15024	POS AT local marker foram increase	DEF AT 3
15480 /15474	DEF AT local marker foram decrease	DEF AT 3
16550 /16542	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 6  
 Lease Number: G04734  
 Well Name: 011  
 API Well Number: 427084037700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 21-MAY-2003

Date of Summary: 09-SEP-1993  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 5200 - 14647  
 Ecozone Eq MMS: Y

First Sample Examined: 12333  
 Borehole MD: 14655  
 Borehole TVD: 13335  
 Rkb Elevation: 90  
 Water Depth: 55  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12333 /11608	DEF AT first sample examined	DEF AT 2
12334 /11609	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
14647 /13329	DEF AT last sample examined	DEF AT 2



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 7	Date of Summary: 17-SEP-1998	First Sample Examined: 0
Lease Number: G15781	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11110
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11006
API Well Number: 427084047600	Drilling Operator: PERENCO INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 04-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5105 / 5007	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6825 / 6722	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8927 / 8824	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 7	<b>Date of Summary:</b> 29-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15781	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15242
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13993
<b>API Well Number:</b> 427084052100	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 49
<b>Public Info Code:</b> Y 04-APR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12695 / 11915	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 7	<b>Date of Summary:</b> 05-JUL-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15781	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16580
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15071
<b>API Well Number:</b> 427084053300	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 49
<b>Public Info Code:</b> Y 04-APR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11825 /11823	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13556 /13384	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 9	Date of Summary: 14-DEC-1990	First Sample Examined: 4350
Lease Number: G09093	Source of Paleo: OPERATOR	Borehole MD: 12423
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12023
API Well Number: 427084033500	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4350 - 12423	Water Depth: 56
Public Info Code: Y 19-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4350 / 4350	DEF AT first sample examined	DEF IN 3
4950 / 4947	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 3
5490 / 5457	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
6990 / 6838	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
7290 / 7114	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
7950 / 7721	DEF AT local marker foram increase	DEF IN 3
8880 / 8585	DEF AT local marker planktic foram increase	DEF IN 3
9359 / 9032	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
9360 / 9033	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
9960 / 9600	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
10200 / 9830	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
11009 /10616	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
11010 /10617	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
11100 /10706	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
11190 /10795	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
12423 /12023	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 9	<b>Date of Summary:</b> 14-DEC-1990	<b>First Sample Examined:</b> 8560
<b>Lease Number:</b> G09093	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12284
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11867
<b>API Well Number:</b> 427084033501	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8560 - 12280	<b>Water Depth:</b> 56
<b>Public Info Code:</b> Y 07-DEC-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8560 / 8288	DEF AT first sample examined	DEF AT 3
9490 / 9153	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
10450 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
11200 /	DEF AT - - - - -	DEF AT 4
11320 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12280 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 9	<b>Date of Summary:</b> 14-DEC-1990	<b>First Sample Examined:</b> 10280
<b>Lease Number:</b> G09093	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12590
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12178
<b>API Well Number:</b> 427084033502	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10280 - 12590	<b>Water Depth:</b> 57
<b>Public Info Code:</b> Y 11-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 / 9897	DEF AT first sample examined	DEF AT 3
10370 / 9982	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
11390 /10980	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12570 /12158	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
12590 /12178	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 21	Date of Summary: 11-MAR-1991	First Sample Examined: 0
Lease Number: G06180	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12330
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11432
API Well Number: 427084035100	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 63
Public Info Code: Y 04-JAN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11860 /11026	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 21	Date of Summary: 14-NOV-1996	First Sample Examined: 0
Lease Number: G11365	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11875
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11875
API Well Number: 427084032800	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 11-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11212 /11211	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 119	Date of Summary: 18-JUN-2009	First Sample Examined: 3306
Lease Number: G26519	Source of Paleo: OPERATOR	Borehole MD: 28404
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28382
API Well Number: 427084062600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 3306 - 28400	Water Depth: 100
Public Info Code: Y 31-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3306 / 3306	DEF AT first sample examined	DEF AT 1
3780 / 3780	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 1
3900 / 3900	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
3960 / 3960	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
4650 / 4650	DEF AT - - - - -	DEF AT 3
4710 / 4710	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 3
5520 / 5520	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
5580 / 5580	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT 3
5700 / 5700	POS IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
6090 / 6090	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 4
6120 / 6120	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
6178 / 6178	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
6179 / 6179	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
6180 / 6180	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
6208 / 6208	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
6209 / 6209	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6210 / 6210	DEF AT Lower Pliocene (Zanclian) Sigmolilina "P" / cf. schlumbergeri	DEF AT 6
6240 / 6240	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
6270 / 6270	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
6300 / 6300	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
6330 / 6330	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
6360 / 6360	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 119  
Lease Number: G26519  
Well Name: 001  
API Well Number: 427084062600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-JAN-2010

Date of Summary: 18-JUN-2009  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 3306 - 28400  
Ecozone Eq MMS: Y

First Sample Examined: 3306  
Borehole MD: 28404  
Borehole TVD: 28382  
Rkb Elevation: 148  
Water Depth: 100  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 6450	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6510 / 6510	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
6690 / 6690	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
6750 / 6750	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
6780 / 6780	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
6900 / 6900	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
6930 / 6930	DEF AT faunal change (no faunal increase)	DEF AT 5
7230 / 7230	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
7440 / 7440	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
7830 / 7830	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
8069 / 8069	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
8070 / 8070	POS IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
8190 / 8190	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
8220 / 8220	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
9150 / 9150	DEF AT Upper Miocene (Tortonian) Reticulofenestra pseudumbilica "C"	DEF AT 5
9180 / 9180	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
9240 / 9240	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
9270 / 9270	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
9810 / 9810	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
9840 / 9840	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
10020 /10020	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
10560 /10560	DEF AT -----	DEF AT 4
11100 /11100	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11250 /11250	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 119  
Lease Number: G26519  
Well Name: 001  
API Well Number: 427084062600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-JAN-2010

Date of Summary: 18-JUN-2009  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 3306 - 28400  
Ecozone Eq MMS: Y

First Sample Examined: 3306  
Borehole MD: 28404  
Borehole TVD: 28382  
Rkb Elevation: 148  
Water Depth: 100  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11310 /11310	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11520 /11520	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11550 /11550	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
12540 /12540	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12720 /12720	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
12870 /12870	DEF AT - - - - -	DEF AT 6
13020 /13020	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
13710 /13710	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
13740 /13740	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
14250 /14250	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
14429 /14429	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
14430 /14430	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
14610 /14610	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
14685 /14685	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
14820 /14820	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
15359 /15359	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
15360 /15360	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
15570 /15570	POS IN Upper Oligocene (Chattian) Sphenolithus ciperoensis (very rare)	DEF AT 5
15720 /15720	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
15809 /15809	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
15810 /15810	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
15870 /15870	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
16020 /16020	POS AT Upper Oligocene (Chattian) Marginulina texana	DEF AT 5
16170 /16170	DEF AT Upper Oligocene (Chattian) Bolivina mexicana	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 119	Date of Summary: 18-JUN-2009	First Sample Examined: 3306
Lease Number: G26519	Source of Paleo: OPERATOR	Borehole MD: 28404
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28382
API Well Number: 427084062600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 3306 - 28400	Water Depth: 100
Public Info Code: Y 31-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16200 /16200	DEF AT -----	DEF AT 4
16830 /16830	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 4
16920 /16920	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 4
17160 /17160	DEF AT -----	DEF AT 3
18360 /18360	DEF AT -----	DEF AT 4
19350 /19350	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 4
19860 /19859	POS IN Lower Oligocene (Rupelian) Nodosaria blanpiedi	DEF AT 4
20010 /20009	POS AT local marker floral increase	DEF AT 4
20520 /20519	DEF AT -----	DEF AT 5
20580 /20579	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
20610 /20609	POS IN Lower Oligocene (Rupelian) Anomalina bilateralis	DEF AT 5
20640 /20639	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
20730 /20729	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
20790 /20789	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
20880 /20879	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
21150 /21149	DEF AT salt	DEF AT 5
21300 /21299	DEF AT base of salt	DEF AT 5
21418 /21417	DEF AT radiolarians	DEF AT 5
21419 /21418	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 5
21420 /21419	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
21480 /21479	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT 5
21510 /21509	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
21689 /21688	POS AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT 5
21690 /21689	POS AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 119  
Lease Number: G26519  
Well Name: 001  
API Well Number: 427084062600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-JAN-2010

Date of Summary: 18-JUN-2009  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 3306 - 28400  
Ecozone Eq MMS: Y

First Sample Examined: 3306  
Borehole MD: 28404  
Borehole TVD: 28382  
Rkb Elevation: 148  
Water Depth: 100  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21720 /21719	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
22080 /22079	DEF AT out-of-place section	DEF AT 5
22650 /22648	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22710 /22708	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
22770 /22768	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
23040 /23037	POS IN Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
23280 /23276	POS AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT 5
23460 /23455	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
23490 /23484	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
23520 /23514	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
23550 /23544	DEF AT local marker floral increase	DEF AT 5
23610 /23604	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
23760 /23753	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
23820 /23812	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
23880 /23872	POS AT Middle Eocene (Bartonian) Nonionella cockfieldensis	DEF AT 5
24090 /24081	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 5
24960 /24946	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT 5
24999 /24984	POS AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
25000 /24985	POS AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 5
25229 /25213	POS IN Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
25230 /25214	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
25260 /25244	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 5
25348 /25332	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
25349 /25333	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 119  
Lease Number: G26519  
Well Name: 001  
API Well Number: 427084062600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-JAN-2010

Date of Summary: 18-JUN-2009  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 3306 - 28400  
Ecozone Eq MMS: Y

First Sample Examined: 3306  
Borehole MD: 28404  
Borehole TVD: 28382  
Rkb Elevation: 148  
Water Depth: 100  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25350 /25334	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
25590 /25573	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT 5
25620 /25603	DEF AT radiolarians	DEF AT 5
25798 /25780	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT 5
25799 /25781	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 5
25800 /25782	POS AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 5
25830 /25812	DEF AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF AT 5
25920 /25901	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
25950 /25931	DEF AT local marker floral decrease	DEF AT 5
26070 /26051	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 5
27330 /27309	POS AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT 5
28400 /28378	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 153	<b>Date of Summary:</b> 30-SEP-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G18946	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5924
<b>API Well Number:</b> 427084049401	<b>Drilling Operator:</b> TANA OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 127
<b>Public Info Code:</b> Y 03-NOV-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9580 / 5668	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A 169	Date of Summary: 01-JUN-2002	First Sample Examined: 4500
Lease Number: G21350	Source of Paleo: OPERATOR	Borehole MD: 14650
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14639
API Well Number: 427104014700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 4500 - 14650	Water Depth: 60
Public Info Code: Y 27-NOV-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rachel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 1
4501 / 4501	POS IN Pliocene	DEF AT 1
4800 / 4800	DEF AT -----	DEF AT 2
4860 / 4860	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 2
4890 / 4890	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
5160 / 5160	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
5250 / 5250	DEF AT -----	DEF IN 2
5340 / 5340	DEF AT -----	DEF AT 2
5460 / 5460	DEF AT -----	DEF IN 1
5580 / 5580	DEF AT -----	DEF AT 1
5610 / 5610	DEF AT -----	DEF IN 1
5940 / 5940	DEF AT -----	DEF AT 2
6390 / 6390	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6660 / 6660	DEF AT -----	DEF IN 2
7110 / 7110	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 2
7320 / 7320	DEF AT shell fragments	DEF IN 2
7380 / 7380	DEF AT -----	DEF AT 3
7590 / 7590	DEF AT -----	DEF AT 2
7920 / 7920	DEF AT -----	DEF IN 2
8160 / 8160	DEF AT -----	DEF AT 2
8340 / 8340	DEF AT -----	DEF IN 2
8670 / 8670	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 169	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G21350	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14650
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14639
<b>API Well Number:</b> 427104014700	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4500 - 14650	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 27-NOV-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8700 / 8700	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 2
9120 / 9120	DEF AT local marker foram increase	DEF IN 2
9210 / 9210	DEF AT -----	DEF AT 3
9390 / 9390	DEF AT -----	DEF IN 2
9420 / 9420	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 2
9540 / 9540	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
9600 / 9600	DEF AT -----	DEF AT 3
9870 / 9870	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
9900 / 9900	DEF AT local marker foram increase	DEF AT 3
9960 / 9960	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
10260 /10260	DEF AT -----	DEF IN 2
11070 /11070	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
11130 /11129	DEF AT -----	DEF IN 3
11160 /11159	DEF AT deepwater facies Harang	DEF IN 3
11220 /11219	DEF AT -----	DEF AT 4
11700 /11699	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
11820 /11819	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
12090 /12089	DEF AT -----	DEF AT 3
12120 /12119	DEF AT -----	DEF AT 2
12180 /12179	DEF AT -----	DEF AT 1
12300 /12299	DEF AT -----	DEF AT 2
12420 /12419	DEF AT -----	DEF AT 3
12720 /12718	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
13260 /13257	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 169	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G21350	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14650
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14639
<b>API Well Number:</b> 427104014700	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4500 - 14650	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 27-NOV-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13320 /13317	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
13350 /13347	DEF AT local marker (general)	DEF AT 3
13500 /13497	DEF AT - - - - -	DEF AT 2
13920 /13915	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
14040 /14035	DEF AT local marker foram increase	DEF AT 2
14550 /14540	DEF AT foram flood	DEF IN 2
14650 /14639	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A 175	<b>Date of Summary:</b> 27-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17168	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8900
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8900
<b>API Well Number:</b> 427104014100	<b>Drilling Operator:</b> SAMSON OFFSHORE LLC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 65
<b>Public Info Code:</b> Y 25-NOV-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6950 / 6950	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7550 / 7550	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A244	<b>Date of Summary:</b> 08-DEC-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06214	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8980
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7300
<b>API Well Number:</b> 427104001802	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 116
<b>Public Info Code:</b> Y 30-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8278 / 6773	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A244	<b>Date of Summary:</b> 03-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14889	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8211
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7319
<b>API Well Number:</b> 427104013500	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 115
<b>Public Info Code:</b> Y 29-JUL-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7642 / 6754	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A244	Date of Summary: 01-MAR-2000	First Sample Examined: 0
Lease Number: G17177	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8210
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 7848
API Well Number: 427104013600	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 115
Public Info Code: Y 07-JUL-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6994 / 6752	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A253	<b>Date of Summary:</b> 04-OCT-1994	<b>First Sample Examined:</b> 4400
<b>Lease Number:</b> G14186	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9419
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8035
<b>API Well Number:</b> 427104011500	<b>Drilling Operator:</b> ASHLAND EXPLORATION HOLDINGS INC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4400 - 9418	<b>Water Depth:</b> 130
<b>Public Info Code:</b> Y 24-NOV-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4400 / 4139	DEF AT first sample examined	DEF AT 1
4850 / 4496	DEF AT -----	DEF AT 2
5330 / 4877	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6950 / 6127	DEF AT -----	DEF AT 3
7610 / 6633	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7850 / 6819	DEF AT -----	DEF AT 4
9418 / 8034	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A253	<b>Date of Summary:</b> 09-NOV-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14186	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7880
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7880
<b>API Well Number:</b> 427104013400	<b>Drilling Operator:</b> ATP OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 134
<b>Public Info Code:</b> Y 24-NOV-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7634 / 7634	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A263	<b>Date of Summary:</b> 07-JAN-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13342	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 5236
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 4998
<b>API Well Number:</b> 427114077600	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 107
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 156
<b>Public Info Code:</b> Y 21-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1420 / 1420	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2984 / 2982	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4242 / 4154	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A264	<b>Date of Summary:</b> 14-OCT-1996	<b>First Sample Examined:</b> 4400
<b>Lease Number:</b> G15805	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10847
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10157
<b>API Well Number:</b> 427114076400	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4400 - 10850	<b>Water Depth:</b> 146
<b>Public Info Code:</b> Y 08-NOV-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4400 / 4400	DEF AT first sample examined	DEF AT 2
4640 / 4639	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
4700 / 4698	DEF AT -----	DEF AT 3
5780 / 5690	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8720 / 8294	DEF AT -----	DEF AT 5
9440 / 8926	DEF AT -----	DEF AT 6
9470 / 8952	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10190 / 9578	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
10250 / 9630	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
10850 /	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A271	<b>Date of Summary:</b> 15-JUL-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06245	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10971
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10327
<b>API Well Number:</b> 427114070600	<b>Drilling Operator:</b> GLOBAL NATURAL RESOURCES CORP	<b>Rkb Elevation:</b> 126
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 162
<b>Public Info Code:</b> Y 11-SEP-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2712 / 2712	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3640 / 3615	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4600 / 4481	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
6310 / 5987	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
6730 / 6362	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6850 / 6470	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
7000 / 6606	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
9740 / 9120	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
10600 / 9961	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A274	<b>Date of Summary:</b> 17-MAR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15806	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7756
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5991
<b>API Well Number:</b> 427114074500	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 168
<b>Public Info Code:</b> Y 31-OCT-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4774 / 4006	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A274	<b>Date of Summary:</b> 19-SEP-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15806	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 4790
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 4327
<b>API Well Number:</b> 427114076900	<b>Drilling Operator:</b> FOREST OIL CORPORATOIN	<b>Rkb Elevation:</b> 138
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 168
<b>Public Info Code:</b> Y 31-OCT-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3775 / 3528	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A285	<b>Date of Summary:</b> 21-APR-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03485	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8741
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8100
<b>API Well Number:</b> 427114044701	<b>Drilling Operator:</b> NCX COMPANY INC	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 183
<b>Public Info Code:</b> Y 31-MAR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5570 / 5047	POS IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8498 / 7862	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A286	<b>Date of Summary:</b> 23-MAR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03486	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7382
<b>Well Name:</b> B005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6974
<b>API Well Number:</b> 427114049401	<b>Drilling Operator:</b> DENBURY RESOURCES INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 186
<b>Public Info Code:</b> Y 03-JUL-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5530 / 5179	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A293	<b>Date of Summary:</b> 22-JUL-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15111	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15964
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11801
<b>API Well Number:</b> 427114078100	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 190
<b>Public Info Code:</b> Y 31-AUG-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8590 / 8387	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A302	<b>Date of Summary:</b> 20-FEB-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02733	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11800
<b>Well Name:</b> A013	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8699
<b>API Well Number:</b> 427114070300	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 212
<b>Public Info Code:</b> Y 03-MAR-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7541 / 5733	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10931 / 7938	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A312	<b>Date of Summary:</b> 09-MAR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14913	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8184
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6908
<b>API Well Number:</b> 427114073500	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 210
<b>Public Info Code:</b> Y 12-OCT-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6902 / 5718	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A312	<b>Date of Summary:</b> 13-OCT-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14913	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10460
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8380
<b>API Well Number:</b> 427114074300	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 215
<b>Public Info Code:</b> Y 12-OCT-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 6719	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A312	<b>Date of Summary:</b> 15-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14913	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6416
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6292
<b>API Well Number:</b> 427114077300	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 210
<b>Public Info Code:</b> Y 12-OCT-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4668 / 4551	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6250 / 6126	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A312	Date of Summary: 22-APR-1997	First Sample Examined: 0
Lease Number: G14913	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5888
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 4618
API Well Number: 427114077500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 210
Public Info Code: Y 12-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5626 / 4412	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A327	<b>Date of Summary:</b> 04-JAN-1995	<b>First Sample Examined:</b> 1000
<b>Lease Number:</b> G02418	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 3966
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 3946
<b>API Well Number:</b> 427114071200	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 1000 - 3966	<b>Water Depth:</b> 220
<b>Public Info Code:</b> Y 19-SEP-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1000 / 1000	DEF AT first sample examined	DEF AT 2
1420 / 1420	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
3966 / 3946	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A334	Date of Summary: 01-JUL-1991	First Sample Examined: 1000
Lease Number: G02423	Source of Paleo: OPERATOR	Borehole MD: 9963
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9253
API Well Number: 427114067900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 1000 - 9960	Water Depth: 235
Public Info Code: Y 10-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, report=original hole and sidetrack

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1000 / 1000	DEF AT first sample examined	DEF AT 3
1240 / 1240	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
1390 / 1390	DEF AT faunal change (no faunal increase)	DEF AT 2
1810 / 1810	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 3
2290 / 2290	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
2440 / 2440	DEF AT faunal change (no faunal increase)	DEF AT 2
3030 / 3030	DEF AT cement	POS AT 2
3390 / 3390	DEF AT faunal change (no faunal increase)	DEF AT 2
4560 / 4560	DEF AT faunal change (no faunal increase)	DEF AT 4
4710 / 4709	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
4770 / 4769	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
5100 / 5092	DEF AT faunal change (no faunal increase)	DEF AT 3
5730 / 5678	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7980 / 7497	DEF AT cement	DEF AT 3
8040 / 7548	DEF AT local marker foram decrease	DEF AT 3
9059 / 8452	DEF AT local marker foram decrease	DEF AT 3
9960 / 9250	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A334	Date of Summary: 22-AUG-1990	First Sample Examined: 2920
Lease Number: G02423	Source of Paleo: OPERATOR	Borehole MD: 13278
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 10933
API Well Number: 427114065700	Drilling Operator: UNION EXPLORATION PARTNERS LTD	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 2920 - 13230	Water Depth: 228
Public Info Code: Y 16-MAY-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2920 / 2817	DEF AT first sample examined	DEF AT 1
2921 / 2818	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 1
3050 / 2925	DEF AT faunal change (no faunal increase)	DEF AT 3
3160 / 3014	DEF AT faunal change (no faunal increase)	DEF AT 2
3230 / 3069	DEF AT faunal change (no faunal increase)	DEF AT 1
3320 / 3139	DEF AT faunal change (no faunal increase)	DEF AT 2
4000 / 3663	DEF AT faunal change (no faunal increase)	DEF AT 1
4810 / 4282	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 1
4840 / 4304	DEF AT faunal change (no faunal increase)	DEF AT 3
5830 / 5047	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7390 / 6225	DEF AT faunal change (no faunal increase)	DEF AT 2
7735 / 6493	DEF AT faunal change (no faunal increase)	DEF AT 4
7870 / 6596	DEF AT faunal change (no faunal increase)	DEF AT 5
8530 / 7096	DEF AT faunal change (no faunal increase)	DEF AT 4
8740 / 7256	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9700 / 8004	DEF AT faunal change (no faunal increase)	DEF AT 5
10140 / 8337	DEF AT faunal change (no faunal increase)	DEF AT 4
10330 / 8480	DEF AT faunal change (no faunal increase)	DEF AT 5
10600 / 8686	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10900 / 8922	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13230 / 10890	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A334	<b>Date of Summary:</b> 22-AUG-1990	<b>First Sample Examined:</b> 1000
<b>Lease Number:</b> G02423	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13278
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10933
<b>API Well Number:</b> 427114065700	<b>Drilling Operator:</b> UNION EXPLORATION PARTNERS LTD	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1000 - 13230	<b>Water Depth:</b> 228
<b>Public Info Code:</b> Y 16-MAY-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1000 / 1000	DEF AT first sample examined	DEF AT
1540 / 1539	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4900 / 4348	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7990 / 6687	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10150 / 8345	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13230 /10890	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A364	Date of Summary: 01-AUG-1997	First Sample Examined: 0
Lease Number: G17218	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11003
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9586
API Well Number: 427114077900	Drilling Operator: BARRETT RESOURCES CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 293
Public Info Code: Y 31-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5010 / 4944	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7690 / 6991	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
8950 / 7971	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
9730 / 8586	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A364	Date of Summary: 15-JUN-1999	First Sample Examined: 4530
Lease Number: G17218	Source of Paleo: OPERATOR	Borehole MD: 11045
Well Name: 002	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 11040
API Well Number: 427114081600	Drilling Operator: J M HUBER CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4530 - 11040	Water Depth: 326
Public Info Code: Y 31-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

MD / TVD	Paleo Top Description	Ecozone
4530 / 4530	DEF AT first sample examined	DEF IN 2
4531 / 4531	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
4740 / 4740	DEF AT - - - - -	DEF AT 3
7500 / 7499	DEF AT - - - - -	POS IN 3
9120 / 9118	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 3
9450 / 9448	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 3
10260 /10258	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 3
10320 /10318	DEF AT - - - - -	DEF AT 4
10440 /10438	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
10740 /10737	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
10860 /10856	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10920 /10916	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
10950 /10946	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
11010 /11005	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11011 /11006	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A371	Date of Summary: 13-DEC-1994	First Sample Examined: 0
Lease Number: G14200	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6752
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5080
API Well Number: 427114071600	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 399
Public Info Code: Y 17-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2600 / 2549	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A376	<b>Date of Summary:</b> 21-JAN-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02754	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12400
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11715
<b>API Well Number:</b> 427114068700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 340
<b>Public Info Code:</b> Y 13-NOV-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3210 / 3210	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6090 / 6072	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8520 / 8210	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10740 / 10187	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A376	<b>Date of Summary:</b> 26-SEP-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02754	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12424
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11133
<b>API Well Number:</b> 427114068900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 340
<b>Public Info Code:</b> Y 20-MAR-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11270 /10193	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12230 /10977	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12320 /11050	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A376	<b>Date of Summary:</b> 30-OCT-1997	<b>First Sample Examined:</b> 3000
<b>Lease Number:</b> G02754	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9913
<b>Well Name:</b> B003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9272
<b>API Well Number:</b> 427114078700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3000 - 9913	<b>Water Depth:</b> 341
<b>Public Info Code:</b> Y 02-NOV-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3000 /	DEF AT first sample examined	DEF AT 3
3001 /	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6090 /	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6330 /	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
6480 /	DEF AT - - - - -	DEF AT 5
7440 /	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "B")	DEF AT 5
8490 /	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9030 /	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9180 /	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9913 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A376	<b>Date of Summary:</b> 03-NOV-1997	<b>First Sample Examined:</b> 6720
<b>Lease Number:</b> G02754	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9913
<b>Well Name:</b> B003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9272
<b>API Well Number:</b> 427114078700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3000 - 9913	<b>Water Depth:</b> 341
<b>Public Info Code:</b> Y 02-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6720 /	DEF AT first sample examined	DEF AT
7440 /	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8430 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9030 /	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9300 /	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9913 /	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A376	<b>Date of Summary:</b> 30-OCT-1997	<b>First Sample Examined:</b> 9914
<b>Lease Number:</b> G02754	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11873
<b>Well Name:</b> B003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11000
<b>API Well Number:</b> 427114078701	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9914 - 11873	<b>Water Depth:</b> 341
<b>Public Info Code:</b> Y 18-NOV-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9914 / 9275	DEF AT first sample examined	DEF AT 5
9915 / 9276	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11600 /10756	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11715 /10858	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11873 /10997	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A376	Date of Summary: 03-NOV-1997	First Sample Examined: 9914
Lease Number: G02754	Source of Paleo: OPERATOR	Borehole MD: 11873
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11000
API Well Number: 427114078701	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 112
Paleo Report Num: 2 of 2	Sample Range: 9914 - 11873	Water Depth: 341
Public Info Code: Y 18-NOV-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9914 / 9275	DEF AT first sample examined	DEF AT
9915 / 9276	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11577 /10736	DEF AT condensed section	DEF AT
11578 /10737	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11579 /10737	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11580 /10738	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
11690 /10836	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
11740 /10880	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11820 /10950	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11873 /10997	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A382	<b>Date of Summary:</b> 19-AUG-1998	<b>First Sample Examined:</b> 3540
<b>Lease Number:</b> G02393	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12038
<b>Well Name:</b> F016	<b>Paleo Done By:</b> GEORGE J. CONSTANCE, JR.	<b>Borehole TVD:</b> 5812
<b>API Well Number:</b> 427114066805	<b>Drilling Operator:</b> MOBIL PRODUCING TEXAS & NEW ME	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3540 - 11970	<b>Water Depth:</b> 342
<b>Public Info Code:</b> Y 24-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
3540 / 2705	DEF AT first sample examined	DEF	AT
3989 / 2821	DEF AT reworked material	DEF	AT
3990 / 2821	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT
5250 / 3123	DEF AT local marker foram increase	DEF	AT
8460 / 3848	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	IN 3
8850 / 3967	DEF AT local marker foram increase	DEF	IN 3
8910 / 3988	DEF AT faunal change (no faunal increase)	DEF	AT 2
8970 / 4008	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT 2
10140 / 4559	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF	AT 2
11970 / 5758	DEF AT last sample examined	DEF	AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A382	<b>Date of Summary:</b> 12-DEC-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02393	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8254
<b>Well Name:</b> F018	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6484
<b>API Well Number:</b> 427114067301	<b>Drilling Operator:</b> MOBIL PRODUCING TEXAS & NEW ME	<b>Rkb Elevation:</b> 113
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 342
<b>Public Info Code:</b> Y 08-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2270 / 2019	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
2370 / 2097	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
5190 / 4184	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5760 / 4597	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A382	<b>Date of Summary:</b> 03-APR-1998	<b>First Sample Examined:</b> 5747
<b>Lease Number:</b> G02393	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8740
<b>Well Name:</b> F023	<b>Paleo Done By:</b> GEORGE J. CONSTANCE, JR.	<b>Borehole TVD:</b> 7886
<b>API Well Number:</b> 427114069302	<b>Drilling Operator:</b> MOBIL PRODUCING TEXAS & NEW ME	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5747 - 8740	<b>Water Depth:</b> 347
<b>Public Info Code:</b> Y 03-MAY-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5747 / 5101	DEF AT first sample examined	DEF AT 2
5790 / 5133	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5940 / 5246	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
6210 / 5466	DEF AT local marker foram increase	DEF AT 3
6570 / 5778	DEF AT local marker foram increase	DEF AT 3
6930 / 6102	DEF AT local marker foram increase	DEF AT 3
8740 / 7886	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A382	<b>Date of Summary:</b> 03-APR-1998	<b>First Sample Examined:</b> 9828
<b>Lease Number:</b> G02757	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10817
<b>Well Name:</b> F010	<b>Paleo Done By:</b> GEORGE J. CONSTANCE, JR.	<b>Borehole TVD:</b> 9829
<b>API Well Number:</b> 427114062604	<b>Drilling Operator:</b> MOBIL PRODUCING TEXAS & NEW ME	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9828 - 10817	<b>Water Depth:</b> 347
<b>Public Info Code:</b> Y 29-DEC-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9828 / 9049	DEF AT first sample examined	DEF AT
9829 / 9050	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9870 / 9087	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT
9900 / 9114	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10817 / 9829	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A384	<b>Date of Summary:</b> 22-MAR-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03316	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 5831
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5211
<b>API Well Number:</b> 427114065900	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 356
<b>Public Info Code:</b> Y 07-APR-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3320 / 2975	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A384	Date of Summary: 03-JAN-1991	First Sample Examined: 0
Lease Number: G03316	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11807
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 5917
API Well Number: 427114066100	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 360
Public Info Code: Y 02-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4835 / 3469	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A385	<b>Date of Summary:</b> 14-DEC-1993	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G10311	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14800
<b>Well Name:</b> C001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14798
<b>API Well Number:</b> 427114069900	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5000 - 14810	<b>Water Depth:</b> 352
<b>Public Info Code:</b> Y 11-JAN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 4
5001 / 5001	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
5300 / 5300	DEF AT -----	DEF AT 3
8420 / 8420	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
8570 / 8570	DEF AT -----	DEF AT 3
9890 / 9890	DEF AT -----	DEF AT 4
9920 / 9920	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF AT 4
10490 /10490	DEF AT -----	DEF AT 5
11870 /11869	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14060 /14058	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14810 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A385	<b>Date of Summary:</b> 14-DEC-1993	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G10311	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14800
<b>Well Name:</b> C001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14798
<b>API Well Number:</b> 427114069900	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5000 - 14810	<b>Water Depth:</b> 352
<b>Public Info Code:</b> Y 11-JAN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT
5001 / 5001	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7610 / 7610	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8420 / 8420	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9920 / 9920	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10490 /10490	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11870 /11869	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12020 /12019	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14780 /14778	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14810 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A385	<b>Date of Summary:</b> 12-OCT-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10311	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7161
<b>Well Name:</b> D001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6708
<b>API Well Number:</b> 427114073800	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 363
<b>Public Info Code:</b> Y 23-OCT-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5135 / 4689	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A397	<b>Date of Summary:</b> 20-NOV-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13809	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11201
<b>API Well Number:</b> 427114078800	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 392
<b>Public Info Code:</b> Y 24-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5050 / 5050	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5950 / 5950	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6760 / 6755	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7250 / 7245	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A415	Date of Summary: 02-APR-1997	First Sample Examined: 0
Lease Number: G15793	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7854
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 7853
API Well Number: 427094103100	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 143
Public Info Code: Y 03-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7019	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A415	Date of Summary: 13-APR-1998	First Sample Examined: 0
Lease Number: G15793	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8204
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 7751
API Well Number: 427094104300	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 145
Public Info Code: Y 25-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 7104	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A416	Date of Summary: 03-OCT-2001	First Sample Examined: 0
Lease Number: G15794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7451
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6922
API Well Number: 427094101801	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 138
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6950 / 6505	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A416	<b>Date of Summary:</b> 13-JUN-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15794	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8556
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7235
<b>API Well Number:</b> 427094102500	<b>Drilling Operator:</b> TANA OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 139
<b>Public Info Code:</b> Y 07-MAY-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5320 / 5154	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7450 / 6534	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A416	<b>Date of Summary:</b> 22-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15794	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10720
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7431
<b>API Well Number:</b> 427094109200	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 117
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 139
<b>Public Info Code:</b> Y 30-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8659 / 6140	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A416	<b>Date of Summary:</b> 24-JUN-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15794	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8768
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7078
<b>API Well Number:</b> 427094106400	<b>Drilling Operator:</b> TANA OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 133
<b>Public Info Code:</b> Y 30-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3400 / 3342	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4100 / 3930	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7050 / 5928	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A416	<b>Date of Summary:</b> 17-DEC-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15794	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7501
<b>Well Name:</b> C002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7181
<b>API Well Number:</b> 427094106600	<b>Drilling Operator:</b> TANA OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 138
<b>Public Info Code:</b> Y 30-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3150 / 3149	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4900 / 4891	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6300 / 6145	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A441	<b>Date of Summary:</b> 23-OCT-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17179	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8700
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8700
<b>API Well Number:</b> 427094109900	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 168
<b>Public Info Code:</b> Y 08-DEC-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7796 / 7795	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A443	Date of Summary: 18-JAN-2006	First Sample Examined: 11290
Lease Number: G03241	Source of Paleo: OPERATOR	Borehole MD: 17380
Well Name: A013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13329
API Well Number: 427094115802	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 11290 - 17380	Water Depth: 180
Public Info Code: Y 27-JAN-2016	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11290 / 9363	DEF AT first sample examined	DEF AT 5
11291 / 9364	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
11292 / 9365	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11376 / 9421	POS AT out-of-place section	DEF AT 6
11377 / 9422	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11378 / 9423	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
11379 / 9423	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
11380 / 9424	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11470 / 9484	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11499 / 9503	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
11500 / 9504	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
11620 / 9582	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
11800 / 9700	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11860 / 9738	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
11890 / 9758	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
12400 /10090	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
12640 /10248	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
12879 /10405	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
12880 /10406	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 6
12910 /10425	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
13150 /10581	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
13270 /10659	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A443	<b>Date of Summary:</b> 18-JAN-2006	<b>First Sample Examined:</b> 11290
<b>Lease Number:</b> G03241	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17380
<b>Well Name:</b> A013	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13329
<b>API Well Number:</b> 427094115802	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11290 - 17380	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 27-JAN-2016	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 /10878	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
13690 /10915	DEF AT Upper Miocene (Tortonian) Reticulofenestra pseudumbilica "C"	DEF AT 6
13720 /10934	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
13750 /10952	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
13810 /10990	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 6
14050 /11143	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
14110 /11181	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
14620 /11514	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
14830 /11655	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
15010 /11774	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
15100 /11833	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
15280 /11950	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
17380 /13326	DEF AT last sample examined	DEF AT 6

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A466	<b>Date of Summary:</b> 05-APR-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03242	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9269
<b>Well Name:</b> B012	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8564
<b>API Well Number:</b> 427094094000	<b>Drilling Operator:</b> ATLANTIC RICHFIELD COMPANY	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 184
<b>Public Info Code:</b> Y 05-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7723 / 7221	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8194 / 7629	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A467	<b>Date of Summary:</b> 29-JUL-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17181	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11842
<b>Well Name:</b> D001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8800
<b>API Well Number:</b> 427094102900	<b>Drilling Operator:</b> FORCENERGY INC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 198
<b>Public Info Code:</b> Y 04-JUL-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4460 / 3818	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6090 / 4896	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7211 / 5675	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A467	Date of Summary: 05-MAR-2001	First Sample Examined: 0
Lease Number: G20670	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8512
Well Name: D003	Paleo Done By: OPERATOR	Borehole TVD: 4202
API Well Number: 427094110500	Drilling Operator: FORCENERGY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 195
Public Info Code: Y 23-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3788 / 2883	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7330 / 3762	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A469	<b>Date of Summary:</b> 30-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02689	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14068
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7549
<b>API Well Number:</b> 427094049201	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 113
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 26-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9200 / 5031	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A469	<b>Date of Summary:</b> 16-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02689	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13429
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9037
<b>API Well Number:</b> 427094050101	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 113
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 26-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 5293	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11909 / 8069	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A497	<b>Date of Summary:</b> 28-JUN-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06231	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11450
<b>Well Name:</b> B004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8760
<b>API Well Number:</b> 427094101200	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 107
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 225
<b>Public Info Code:</b> Y 21-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1590 / 1558	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4710 / 3166	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9810 / 7254	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A510	<b>Date of Summary:</b> 04-DEC-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17187	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12303
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8508
<b>API Well Number:</b> 427094106200	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 191
<b>Public Info Code:</b> Y 31-OCT-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1442 / 1440	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4638 / 3562	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9724 / 6467	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
11273 / 7565	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
12172 / 8383	DEF IN Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A511	Date of Summary: 19-FEB-1990	First Sample Examined: 1500
Lease Number: G02694	Source of Paleo: OPERATOR	Borehole MD: 11600
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9211
API Well Number: 427094092100	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 1500 - 11600	Water Depth: 188
Public Info Code: Y 02-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT first sample examined	DEF IN 3
1830 / 1830	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
2460 / 2459	DEF AT pyrite	DEF IN 3
3360 / 3322	DEF AT local marker planktic foram increase	DEF IN 3
3600 / 3536	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 3
7770 / 6519	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
8100 / 6747	DEF AT - - - - -	POS AT 4
8820 / 7253	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4
9690 / 7867	DEF AT - - - - -	DEF AT 5
10530 / 8463	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 5
11010 / 8802	DEF AT Bathysiphon fauna	DEF AT 5
11040 / 8824	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
11220 / 8952	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
11600 / 9211	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A518	<b>Date of Summary:</b> 11-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07338	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10865
<b>Well Name:</b> C005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9361
<b>API Well Number:</b> 427094102300	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 147
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 220
<b>Public Info Code:</b> Y 08-FEB-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2945 / 2843	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9085 / 7878	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A518	Date of Summary: 24-JAN-1997	First Sample Examined: 0
Lease Number: G08184	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 3958
Well Name: C003	Paleo Done By: OPERATOR	Borehole TVD: 1809
API Well Number: 427094102000	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 147
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 225
Public Info Code: Y 06-MAY-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1503 / 1385	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A519	Date of Summary: 24-JUL-1990	First Sample Examined: 0
Lease Number: G08184	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4734
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 3030
API Well Number: 427094092801	Drilling Operator: KOCH EXPLORATION COMPANY	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 219
Public Info Code: Y 29-JUL-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2412 / 1814	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3564 / 2397	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A519	<b>Date of Summary:</b> 21-JAN-1997	<b>First Sample Examined:</b> 5800
<b>Lease Number:</b> G08184	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10500
<b>Well Name:</b> D001	<b>Paleo Done By:</b> PALEO CONTROL INC.	<b>Borehole TVD:</b> 9656
<b>API Well Number:</b> 427094102200	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5800 - 10500	<b>Water Depth:</b> 219
<b>Public Info Code:</b> Y 06-MAY-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5800 / 5208	DEF AT first sample examined	DEF AT 1
6418 / 5784	POS AT unconformity	DEF AT 4
6420 / 5785	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
6960 / 6287	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
9060 / 8271	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9720 / 8904	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
9840 / 9020	POS AT unconformity	DEF AT 5
9870 / 9049	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10170 / 9338	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
10230 / 9396	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10290 / 9454	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10470 / 9627	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A521	<b>Date of Summary:</b> 08-AUG-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17190	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6032
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 4852
<b>API Well Number:</b> 427094109000	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 242
<b>Public Info Code:</b> Y 25-MAY-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4016 / 3578	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5302 / 4375	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A521	<b>Date of Summary:</b> 09-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17190	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 4890
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 4701
<b>API Well Number:</b> 427094109500	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 231
<b>Public Info Code:</b> Y 27-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3801 / 3760	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A523	<b>Date of Summary:</b> 07-SEP-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11390	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9861
<b>Well Name:</b> 004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9550
<b>API Well Number:</b> 427094093300	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 228
<b>Public Info Code:</b> Y 20-SEP-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3560 / 3419	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
5140 / 4852	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8660 / 8349	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9070 / 8759	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A523	<b>Date of Summary:</b> 30-JAN-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11390	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11652
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8915
<b>API Well Number:</b> 427094092300	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 228
<b>Public Info Code:</b> Y 11-MAY-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3950 / 3428	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8460 / 6586	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
9360 / 7219	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A523	<b>Date of Summary:</b> 25-FEB-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11390	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10519
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8128
<b>API Well Number:</b> 427094092400	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 228
<b>Public Info Code:</b> Y 13-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3820 / 3391	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
4330 / 3717	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7990 / 6247	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8500 / 6619	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT
10210 / 7889	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A523	<b>Date of Summary:</b> 10-JUN-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11390	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10705
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9455
<b>API Well Number:</b> 427094092600	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 230
<b>Public Info Code:</b> Y 24-JUL-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3120 / 3120	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3690 / 3689	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
9318 / 8335	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9808 / 8730	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A523	<b>Date of Summary:</b> 10-JUN-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11390	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9554
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8284
<b>API Well Number:</b> 427094094600	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 230
<b>Public Info Code:</b> Y 05-SEP-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4070 / 3772	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A528	Date of Summary: 30-JUN-1994	First Sample Examined: 4350
Lease Number: G13803	Source of Paleo: OPERATOR	Borehole MD: 9125
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 8530
API Well Number: 427094097100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4350 - 9150	Water Depth: 199
Public Info Code: Y 14-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4350 / 4350	DEF AT first sample examined	POS AT 3
4440 / 4440	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 3
5130 / 5130	DEF AT faunal change (no faunal increase)	DEF AT 3
5160 / 5160	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 3
5250 / 5250	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
5430 / 5430	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
5490 / 5490	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
7020 / 6993	DEF AT local marker foram increase	DEF AT 4
7140 / 7101	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
7141 / 7102	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
7920 / 7731	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
8920 / 8392	DEF AT faunal change (no faunal increase)	DEF AT 2
9060 / 8486	DEF AT faunal change (no faunal increase)	DEF AT 3
9150 /	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A528	<b>Date of Summary:</b> 30-JUN-1994	<b>First Sample Examined:</b> 7585
<b>Lease Number:</b> G13803	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8727
<b>Well Name:</b> JA001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8593
<b>API Well Number:</b> 427094097101	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7585 - 8725	<b>Water Depth:</b> 199
<b>Public Info Code:</b> Y 19-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7585 / 7564	DEF AT first sample examined	POS AT 4
7795 / 7762	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	POS AT 4
7825 / 7789	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
8725 / 8591	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A537	<b>Date of Summary:</b> 09-JAN-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02698	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8060
<b>Well Name:</b> B016	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6901
<b>API Well Number:</b> 427094098500	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 07-JAN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3684 / 3300	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6267 / 5401	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
7113 / 6100	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A537	<b>Date of Summary:</b> 24-JUL-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02698	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11900
<b>Well Name:</b> B017	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6051
<b>API Well Number:</b> 427094098600	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 13-FEB-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1502 / 1501	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4900 / 3605	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8990 / 5371	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A547	<b>Date of Summary:</b> 26-SEP-1994	<b>First Sample Examined:</b> 3290
<b>Lease Number:</b> G02705	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7577
<b>Well Name:</b> 005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7129
<b>API Well Number:</b> 427094097800	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3290 - 7577	<b>Water Depth:</b> 270
<b>Public Info Code:</b> Y 17-OCT-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3290 / 2870	DEF AT first sample examined	DEF AT 3
3291 / 2871	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6080 / 5633	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6169 / 5722	DEF AT pyrite	DEF AT 4
6170 / 5723	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
6350 / 5903	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
6380 / 5933	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
6960 / 6513	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
7040 / 6593	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
7220 / 6773	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 4
7577 / 7130	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A547	<b>Date of Summary:</b> 22-OCT-1992	<b>First Sample Examined:</b> 3000
<b>Lease Number:</b> G02705	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9775
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8314
<b>API Well Number:</b> 427094095500	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3000 - 9748	<b>Water Depth:</b> 275
<b>Public Info Code:</b> Y 19-NOV-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3000 / 3000	DEF AT first sample examined	DEF IN 2
3150 / 3150	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5970 / 5590	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
6210 / 5760	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
6720 / 6112	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
7260 / 6491	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
7590 / 6725	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9748 / 8294	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A547	<b>Date of Summary:</b> 10-DEC-1992	<b>First Sample Examined:</b> 3110
<b>Lease Number:</b> G02705	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8940
<b>Well Name:</b> B002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7364
<b>API Well Number:</b> 427094095900	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3110 - 8930	<b>Water Depth:</b> 275
<b>Public Info Code:</b> Y 05-JAN-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3110 / 2971	DEF AT first sample examined	DEF AT 3
3111 / 2972	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6380 / 5451	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
7250 / 6112	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
7520 / 6316	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7820 / 6540	DEF AT local marker foram decrease	DEF AT 5
7880 / 6585	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8150 / 6785	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
8330 / 6917	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
8540 / 7071	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
8900 / 7335	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
8930 / 7357	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A553	<b>Date of Summary:</b> 26-SEP-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06237	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6450
<b>Well Name:</b> A006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5624
<b>API Well Number:</b> 427094093100	<b>Drilling Operator:</b> ENERGEN RESOURCES MAQ INC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 265
<b>Public Info Code:</b> Y 15-SEP-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5400 / 4801	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A553	<b>Date of Summary:</b> 26-AUG-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06237	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15224
<b>Well Name:</b> A007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13012
<b>API Well Number:</b> 427094103200	<b>Drilling Operator:</b> MISSION RESOURCES CORPORATION	<b>Rkb Elevation:</b> 108
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 265
<b>Public Info Code:</b> Y 15-AUG-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5100 / 5100	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9990 / 9318	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10470 / 9660	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT
10590 / 9746	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12030 /10821	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
12572 /11219	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
13350 /11723	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A554	<b>Date of Summary:</b> 23-OCT-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21356	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 5950
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5950
<b>API Well Number:</b> 427094110400	<b>Drilling Operator:</b> CHIEFTAIN INTERNATIONAL US INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 257
<b>Public Info Code:</b> Y 03-JAN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2950 / 2950	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5504 / 5504	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A557	<b>Date of Summary:</b> 16-NOV-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06238	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14030
<b>Well Name:</b> A009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8254
<b>API Well Number:</b> 427094102600	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 133
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 224
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5560 / 3885	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7150 / 4511	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
12500 / 7146	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13790 / 8077	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A560	<b>Date of Summary:</b> 17-JUL-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14193	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9707
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8723
<b>API Well Number:</b> 427094096900	<b>Drilling Operator:</b> GENERAL ATLANTIC ENERGY CORP	<b>Rkb Elevation:</b> 69
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 241
<b>Public Info Code:</b> Y 14-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5300 / 4871	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A560	<b>Date of Summary:</b> 05-JAN-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14193	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11185
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7731
<b>API Well Number:</b> 427094100000	<b>Drilling Operator:</b> UMC PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 125
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 241
<b>Public Info Code:</b> Y 05-OCT-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8070 / 5668	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A563	<b>Date of Summary:</b> 18-MAR-1997	<b>First Sample Examined:</b> 11153
<b>Lease Number:</b> G02388	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11210
<b>Well Name:</b> B024	<b>Paleo Done By:</b> BIOSTRATIGRAPHIC INTERPRETATIONS	<b>Borehole TVD:</b> 6998
<b>API Well Number:</b> 427094056601	<b>Drilling Operator:</b> TEXACO INC	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11153 - 11500	<b>Water Depth:</b> 305
<b>Public Info Code:</b> Y 17-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11153 / 6912	DEF AT first sample examined	POS AT 3
11154 / 6913	DEF AT cement	POS AT 3
11335 /	DEF AT - - - - -	DEF AT 3
11365 /	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF AT 3
11456 /	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
11485 /	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A563	<b>Date of Summary:</b> 19-MAR-1997	<b>First Sample Examined:</b> 11153
<b>Lease Number:</b> G02388	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11210
<b>Well Name:</b> B024	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 6998
<b>API Well Number:</b> 427094056601	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11153 - 11500	<b>Water Depth:</b> 305
<b>Public Info Code:</b> Y 17-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11153 / 6912	DEF AT first sample examined	DEF AT
11215 /	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11455 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11500 /	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A568	Date of Summary: 01-JUN-2005	First Sample Examined: 8860
Lease Number: G02716	Source of Paleo: OPERATOR	Borehole MD: 12651
Well Name: A019	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11693
API Well Number: 427094115100	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 8860 - 12610	Water Depth: 271
Public Info Code: Y 29-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8860 / 8307	DEF AT first sample examined	DEF AT 4
8861 / 8308	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
9010 / 8441	DEF AT -----	POS AT 4
9100 / 8521	DEF AT -----	DEF IN 3
9250 / 8656	DEF AT -----	DEF AT 4
9280 / 8683	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
9400 / 8791	DEF AT -----	DEF AT 5
9430 / 8818	DEF AT -----	DEF AT 4
9460 / 8845	DEF AT -----	POS AT 4
9550 / 8926	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 4
9970 / 9302	DEF AT -----	DEF AT 3
10180 / 9490	DEF AT -----	DEF IN 3
10240 / 9544	DEF AT -----	DEF AT 3
10660 / 9923	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10870 /10114	DEF AT -----	DEF AT 4
10930 /10169	DEF AT -----	POS AT 4
10960 /10196	DEF AT -----	DEF AT 3
11020 /10251	DEF AT -----	POS IN 2
11200 /10414	DEF AT -----	POS AT 2
11320 /10523	DEF AT -----	POS IN 2
11350 /10550	DEF AT -----	DEF IN 3
11380 /10577	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A568	<b>Date of Summary:</b> 01-JUN-2005	<b>First Sample Examined:</b> 8860
<b>Lease Number:</b> G02716	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12651
<b>Well Name:</b> A019	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 11693
<b>API Well Number:</b> 427094115100	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 134
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8860 - 12610	<b>Water Depth:</b> 271
<b>Public Info Code:</b> Y 29-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11410 /10604	DEF AT -----	DEF IN 3
11500 /10685	DEF AT -----	POS AT 4
11530 /10712	DEF AT -----	DEF IN 3
12070 /11192	DEF AT local marker foram increase	DEF IN 3
12230 /11332	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
12340 /11428	DEF AT -----	POS AT 4
12370 /11454	DEF AT -----	DEF AT 4
12400 /11480	DEF AT -----	POS AT 4
12430 /11505	DEF AT -----	DEF AT 4
12460 /11531	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12520 /11582	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12550 /11608	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
12610 /11658	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A568	Date of Summary: 02-JUN-2005	First Sample Examined: 7990
Lease Number: G25599	Source of Paleo: OPERATOR	Borehole MD: 12445
Well Name: A018	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 10353
API Well Number: 427094114800	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 7990 - 12430	Water Depth: 271
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7990 / 6703	DEF AT first sample examined	DEF IN 3
7991 / 6704	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8050 / 6751	DEF AT -----	POS AT 4
8120 / 6807	DEF AT -----	DEF IN 3
8260 / 6917	DEF AT -----	POS AT 4
8560 / 7160	DEF AT -----	DEF AT 3
8770 / 7326	DEF AT -----	POS AT 3
8890 / 7419	POS AT local marker foram increase	DEF IN 3
9070 / 7557	DEF AT local marker foram increase	POS AT 4
9190 / 7650	DEF AT -----	DEF IN 3
10090 / 8393	DEF AT local marker foram increase	POS AT 4
10180 / 8469	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	POS AT 4
10240 / 8520	DEF AT -----	DEF IN 3
10360 / 8622	DEF AT -----	POS AT 4
10390 / 8648	DEF AT -----	DEF IN 3
10720 / 8928	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 4
10840 / 9028	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
11080 / 9227	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11200 / 9328	DEF AT -----	DEF AT 3
11410 / 9502	DEF AT -----	POS AT 4
12430 / 10343	DEF AT last sample examined	POS AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A569	<b>Date of Summary:</b> 16-AUG-2005	<b>First Sample Examined:</b> 7980
<b>Lease Number:</b> G25599	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10238
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 10238
<b>API Well Number:</b> 427094115200	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 107
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7980 - 10238	<b>Water Depth:</b> 271
<b>Public Info Code:</b> Y 31-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7979	DEF AT first sample examined	DEF AT 2
7981 / 7980	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
8370 / 8369	POS AT local marker foram increase	DEF AT 3
8430 / 8429	DEF AT -----	DEF IN 2
8490 / 8489	DEF AT local marker foram increase	DEF AT 3
8550 / 8549	DEF AT -----	DEF IN 2
8670 / 8669	DEF AT -----	DEF AT 3
8730 / 8729	DEF AT local marker benthic foram increase	POS AT 4
8790 / 8789	DEF AT -----	DEF IN 3
8940 / 8939	DEF AT -----	POS AT 4
8970 / 8969	DEF AT -----	DEF IN 3
9120 / 9119	DEF AT -----	DEF AT 3
9150 / 9149	DEF AT local marker planktic foram increase	DEF AT 3
9180 / 9179	DEF AT -----	DEF IN 2
9240 / 9239	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
9300 / 9299	DEF AT -----	DEF IN 2
9360 / 9359	DEF AT -----	DEF AT 2
9420 / 9419	DEF AT -----	DEF IN 2
9570 / 9569	DEF AT -----	POS AT 4
9630 / 9629	DEF AT -----	DEF IN 3
9669 / 9668	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF IN 3
9670 / 9669	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A569	<b>Date of Summary:</b> 16-AUG-2005	<b>First Sample Examined:</b> 7980
<b>Lease Number:</b> G25599	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10238
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 10238
<b>API Well Number:</b> 427094115200	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 107
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7980 - 10238	<b>Water Depth:</b> 271
<b>Public Info Code:</b> Y 31-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9839 / 9838	DEF AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	POS AT 4
9840 / 9839	POS AT Upper Pliocene (Gelasian) <i>Globorotalia menardii</i> (coiling change left/right)	POS AT 4
9870 / 9869	DEF AT -----	DEF AT 4
9900 / 9899	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9930 / 9929	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia exilis</i>	DEF AT 4
10020 /10019	DEF AT -----	POS AT 4
10050 /10049	POS AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	POS AT 4
10110 /10109	DEF AT -----	DEF AT 4
10140 /10139	DEF AT -----	DEF IN 3
10228 /10227	DEF AT last sample examined	POS IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A569	Date of Summary: 16-AUG-2005	First Sample Examined: 9566
Lease Number: G25599	Source of Paleo: OPERATOR	Borehole MD: 12500
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 12497
API Well Number: 427094115201	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 9566 - 12500	Water Depth: 271
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9566 / 9565	DEF AT first sample examined	DEF IN 3
9590 / 9589	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9617 / 9616	DEF AT -----	DEF IN 3
9680 / 9679	DEF AT -----	DEF IN 2
9770 / 9769	DEF AT -----	DEF IN 3
9800 / 9799	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9830 / 9828	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
9890 / 9888	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9950 / 9948	DEF AT -----	DEF AT 4
10040 /10037	DEF AT -----	POS AT 4
10070 /10067	POS AT local marker foram increase	DEF AT 4
10130 /10127	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 4
10290 /10287	DEF AT -----	DEF IN 3
10410 /10407	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10851 /10848	DEF AT -----	DEF AT 4
10949 /10946	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 4
10950 /10947	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
10980 /10977	DEF AT -----	DEF IN 3
11190 /11187	DEF AT -----	POS AT 4
11220 /11217	DEF AT -----	DEF IN 3
11340 /11337	DEF AT -----	POS AT 4
11370 /11367	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A569	<b>Date of Summary:</b> 16-AUG-2005	<b>First Sample Examined:</b> 9566
<b>Lease Number:</b> G25599	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 12497
<b>API Well Number:</b> 427094115201	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 107
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9566 - 12500	<b>Water Depth:</b> 271
<b>Public Info Code:</b> Y 31-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11393 /11390	DEF AT -----	POS AT 4
11400 /11397	DEF AT -----	DEF IN 3
11490 /11487	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	POS AT 4
11519 /11516	DEF AT Eggerella sp. (local marker)	POS AT 4
11520 /11517	DEF AT Cyclammina cancellata (local marker)	POS AT 4
11610 /11607	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11640 /11637	DEF AT -----	DEF AT 4
11670 /11667	DEF AT Cyclammina sp. (local marker)	POS AT 4
11723 /11720	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	POS AT 4
11912 /11909	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 4
11940 /11937	DEF AT local marker benthic foram increase	DEF AT 4
12000 /11997	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
12030 /12027	DEF AT -----	DEF AT 5
12057 /12054	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12058 /12055	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
12059 /12056	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12060 /12057	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12120 /12117	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
12240 /12237	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
12500 /12497	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A570	<b>Date of Summary:</b> 02-JUN-1979	<b>First Sample Examined:</b> 660
<b>Lease Number:</b> G02390	<b>Source of Paleo:</b> MINERALS MANAGEMENT SERVICE	<b>Borehole MD:</b> 9941
<b>Well Name:</b> 003	<b>Paleo Done By:</b> LEE LATTA	<b>Borehole TVD:</b> 9909
<b>API Well Number:</b> 427094031870	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 71
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 660 - 9930	<b>Water Depth:</b> 277
<b>Public Info Code:</b> Y 05-OCT-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
660 / 660	DEF AT first sample examined	POS IN 1
900 / 900	DEF AT - - - - -	POS AT 2
1300 / 1300	DEF AT cement	POS AT 2
1680 / 1680	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
1950 / 1950	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
2460 / 2460	DEF AT - - - - -	DEF AT 2
3150 / 3150	DEF AT - - - - -	DEF AT 3
3270 / 3270	DEF AT local marker foram increase	DEF AT 4
4170 / 4169	DEF AT sample gap top	POS AT 4
4349 / 4348	DEF AT sample gap bottom	DEF AT 3
4350 / 4349	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
4351 / 4350	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
4440 / 4439	DEF AT pyrite	DEF AT 3
4890 / 4889	DEF AT local marker foram increase	DEF AT 3
5670 / 5668	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
8370 / 8365	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9670 / 9646	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
9690 / 9665	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9900 / 9869	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9930 / 9898	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A570	<b>Date of Summary:</b> 13-JAN-1999	<b>First Sample Examined:</b> 5500
<b>Lease Number:</b> G02390	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15823
<b>Well Name:</b> 007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13000
<b>API Well Number:</b> 427094105200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 103
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5500 - 15830	<b>Water Depth:</b> 272
<b>Public Info Code:</b> Y 05-OCT-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 5047	DEF AT first sample examined	DEF AT 3
7600 / 6571	DEF AT -----	DEF AT 4
13690 /11087	DEF AT -----	DEF AT 5
13810 /11185	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14170 /11488	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14740 /11995	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15040 /12273	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15320 /12531	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15470 /12670	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
15530 /12725	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
15830 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A570	<b>Date of Summary:</b> 10-SEP-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02390	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12704
<b>Well Name:</b> D001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11777
<b>API Well Number:</b> 427094104600	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 273
<b>Public Info Code:</b> Y 05-OCT-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5040 / 5040	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
10710 /10437	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
11190 /10761	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A571	Date of Summary: 19-SEP-1997	First Sample Examined: 4500
Lease Number: G02391	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: 007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10991
API Well Number: 427094103300	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 4500 - 10980	Water Depth: 274
Public Info Code: Y 02-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 3
4620 / 4620	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
4770 / 4770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5040 / 5040	DEF AT local marker foram decrease	DEF AT 3
8220 / 8220	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
8700 / 8699	DEF AT - - - - -	DEF AT 5
8760 / 8759	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8819 / 8818	DEF AT Bathysiphon fauna	DEF AT 5
8820 / 8819	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8850 / 8849	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8970 / 8968	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9000 / 8998	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
9060 / 9058	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9090 / 9088	DEF AT Cyclamina sp. (local marker)	DEF AT 5
9360 / 9357	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
9569 / 9566	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9570 / 9567	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9600 / 9597	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9630 / 9627	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
9780 / 9777	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10950 /10941	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
10980 /10971	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A576	Date of Summary: 03-OCT-1994	First Sample Examined: 9000
Lease Number: G14194	Source of Paleo: OPERATOR	Borehole MD: 17050
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17045
API Well Number: 427094097700	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 88
Paleo Report Num: 1 of 2	Sample Range: 9000 - 17050	Water Depth: 294
Public Info Code: Y 27-FEB-2002	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
9000 / 8999	DEF AT first sample examined	DEF AT 3
9001 / 9000	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
11670 /11668	DEF AT - - - - -	DEF AT 4
11970 /11968	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
12030 /12028	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12090 /12088	DEF AT - - - - -	DEF AT 5
12540 /12538	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12570 /12568	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12840 /12838	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
14730 /14728	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15090 /15088	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
15120 /15118	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
15870 /15868	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17050 /17047	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A576	<b>Date of Summary:</b> 04-OCT-1994	<b>First Sample Examined:</b> 9000
<b>Lease Number:</b> G14194	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17050
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17045
<b>API Well Number:</b> 427094097700	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9000 - 17050	<b>Water Depth:</b> 294
<b>Public Info Code:</b> Y 27-FEB-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT
9001 / 9000	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
12030 /12028	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12090 /12088	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13050 /13048	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13590 /13588	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13620 /13618	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14760 /14758	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17050 /17047	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A582	<b>Date of Summary:</b> 06-MAR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02719	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14758
<b>Well Name:</b> D002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13709
<b>API Well Number:</b> 427094110801	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 440
<b>Public Info Code:</b> Y 18-MAR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10310 / 9756	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
11967 /11228	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
13193 /12305	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A582	<b>Date of Summary:</b> 20-APR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02719	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13436
<b>Well Name:</b> D003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11643
<b>API Well Number:</b> 427094111400	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 440
<b>Public Info Code:</b> Y 30-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10945 /10061	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
12410 /11008	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A582	Date of Summary: 04-NOV-2000	First Sample Examined: 8000
Lease Number: G18959	Source of Paleo: OPERATOR	Borehole MD: 15147
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 12541
API Well Number: 427094110200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 8000 - 15145	Water Depth: 440
Public Info Code: Y 01-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 9990=weak Kansas interstadial, 10560=Aftonian faunal increase with amber preservation, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF IN 3
8001 / 8000	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8040 / 8039	DEF AT - - - - -	DEF AT 4
8070 / 8069	DEF AT - - - - -	DEF IN 3
8850 / 8824	DEF AT gray shale	DEF IN 3
8970 / 8932	DEF AT drilling material	DEF IN 3
9180 / 9114	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9300 / 9214	DEF AT local marker foram increase	DEF AT 4
9389 / 9287	DEF AT pyrite	DEF IN 4
9390 / 9288	DEF AT local marker foram increase	DEF AT 5
9450 / 9335	DEF AT gray shale	DEF IN 5
9509 / 9382	DEF AT pyrite	DEF IN 5
9510 / 9382	DEF AT gray shale	DEF IN 5
9839 / 9626	DEF AT pyrite	DEF IN 5
9840 / 9627	DEF AT local marker foram increase	DEF IN 5
9990 / 9730	POS AT local marker (general)	DEF IN 5
10020 / 9750	DEF AT cement	DEF IN 5
10110 / 9809	DEF AT - - - - -	DEF AT 4
10349 / 9969	DEF AT pyrite	DEF IN 4
10350 / 9969	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF AT 5
10410 / 10010	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: HI A582	Date of Summary: 04-NOV-2000	First Sample Examined: 8000
Lease Number: G18959	Source of Paleo: OPERATOR	Borehole MD: 15147
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 12541
API Well Number: 427094110200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 8000 - 15145	Water Depth: 440
Public Info Code: Y 01-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10469 /10049	DEF AT pyrite	DEF IN 5
10560 /10108	DEF AT local marker (general)	DEF IN 5
10589 /10126	DEF AT shell fragments	DEF IN 5
10590 /10126	DEF AT local marker foram decrease	DEF IN 5
10740 /10215	DEF AT drilling material	DEF IN 4
10860 /10280	DEF AT shell fragments	DEF IN 4
11070 /10388	DEF AT gray shale	DEF AT 5
11100 /10403	DEF AT turbid water facies	DEF IN 4
11249 /10480	DEF AT pyrite	DEF IN 5
11250 /10480	DEF AT local marker foram increase	DEF IN 5
11280 /10496	DEF AT limestone	DEF IN 4
11460 /10591	DEF AT turbid water facies	POS AT 4
11520 /10622	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 4
11550 /10638	DEF AT drilling material	POS AT 4
11610 /10669	DEF AT sample gap top	POS AT 4
11638 /10684	DEF AT turbid water facies	POS AT 4
11639 /10684	DEF AT sample gap bottom	POS AT 4
11670 /10701	DEF AT sample gap top	POS AT 4
11760 /10748	DEF AT sample gap bottom	DEF IN 4
12340 /11048	DEF AT local marker foram increase	DEF IN 4
12540 /11151	DEF AT - - - - -	DEF AT 5
12599 /11182	DEF AT pyrite	DEF AT 5
12600 /11183	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 5
12630 /11198	DEF AT pyrite	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A582	<b>Date of Summary:</b> 04-NOV-2000	<b>First Sample Examined:</b> 8000
<b>Lease Number:</b> G18959	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15147
<b>Well Name:</b> D001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12541
<b>API Well Number:</b> 427094110200	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8000 - 15145	<b>Water Depth:</b> 440
<b>Public Info Code:</b> Y 01-JUL-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12720 /11245	DEF AT local marker foram decrease	DEF IN 4
12990 /11386	POS AT Arenaceous fauna (local marker)	DEF IN 4
13260 /11525	POS AT local marker foram increase	DEF IN 4
13395 /11596	DEF AT cement	DEF AT 4
13620 /11716	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
13680 /11748	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
13830 /11829	DEF AT local marker deep water fauna	DEF AT 5
13860 /11845	DEF AT local marker foram increase	DEF AT 5
13950 /11893	DEF AT local white Arenaceous fauna	DEF IN 5
13980 /11909	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
14040 /11942	DEF AT local marker foram increase	DEF IN 5
14070 /11958	DEF AT pyrite	DEF IN 5
14100 /11975	DEF AT -----	DEF AT 5
14940 /12429	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15030 /12478	DEF AT local marker deep water fauna	DEF IN 5
15120 /12527	POS AT local marker foram increase	DEF IN 5
15145 /12540	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> HI A582	<b>Date of Summary:</b> 15-NOV-2000	<b>First Sample Examined:</b> 8000
<b>Lease Number:</b> G18959	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15147
<b>Well Name:</b> D001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12541
<b>API Well Number:</b> 427094110200	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8000 - 15145	<b>Water Depth:</b> 440
<b>Public Info Code:</b> Y 01-JUL-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT
8001 / 8000	DEF IN Middle Pleistocene	DEF AT
9920 / 9683	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10440 /10030	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
12540 /11151	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12600 /11183	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12660 /11214	DEF AT floral flood	DEF AT
12720 /11245	DEF AT local marker floral decrease	DEF AT
13980 /11909	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14220 /12039	DEF AT local marker floral decrease	DEF AT
14940 /12429	POS AT local marker floral increase	DEF AT
15144 /12540	DEF AT local marker floral increase	DEF AT
15145 /12540	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 93	Date of Summary: 14-JAN-2014	First Sample Examined: 24220
Lease Number: G25780	Source of Paleo: OPERATOR	Borehole MD: 27463
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27463
API Well Number: 608084003400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 24220 - 27463	Water Depth: 4856
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Gila Prospect, company-integrated foram and nanno report done by BP and Ellington and Associates, 24220-24290=rafted Upper Lower Oligocene, 24290-24305=country rock, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24220 /24220	DEF AT first sample examined	DEF AT
24221 /24221	DEF IN base of salt	DEF AT
24222 /24222	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
24223 /24223	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24224 /24224	DEF IN Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
24289 /24289	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
24290 /24290	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
24325 /24325	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24350 /24350	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
24410 /24410	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
24439 /24439	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
24440 /24440	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
24830 /24830	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT
24980 /24980	POS AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
25040 /25040	POS AT Arenaceous fauna (local marker)	DEF AT
25250 /25250	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT
25369 /25369	DEF AT local marker floral increase	DEF AT
25370 /25370	DEF AT local marker planktic foram increase	DEF AT
25430 /25430	DEF AT local marker floral decrease	DEF AT
25520 /25520	DEF AT local marker floral increase	DEF AT
25580 /25580	DEF AT sample gap top	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 93	Date of Summary: 14-JAN-2014	First Sample Examined: 24220
Lease Number: G25780	Source of Paleo: OPERATOR	Borehole MD: 27463
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27463
API Well Number: 608084003400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 24220 - 27463	Water Depth: 4856
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25648 /25648	DEF AT sample gap bottom	DEF AT
25649 /25649	DEF AT local marker floral increase	DEF AT
25650 /25650	DEF AT local marker foram increase	DEF AT
25670 /25670	DEF AT local marker foram decrease	DEF AT
25700 /25700	POS AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT
25709 /25709	DEF AT local marker foram increase	DEF AT
25710 /25710	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
25720 /25720	DEF AT local marker planktic foram increase	DEF AT
25729 /25729	DEF AT Lower Oligocene (Rupelian) Calcidiscus reticulata	DEF AT
25730 /25730	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
25740 /25740	DEF AT local marker floral increase	DEF AT
25749 /25749	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
25849 /25849	DEF IN Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT
25850 /25850	DEF AT local marker foram increase	DEF AT
25914 /25914	DEF AT local marker floral increase	DEF AT
25915 /25915	DEF AT local marker foram decrease	DEF AT
25975 /25975	DEF AT local marker floral increase	DEF AT
26095 /26095	DEF AT local marker floral decrease	DEF AT
26125 /26125	DEF AT local marker floral increase	DEF AT
26155 /26155	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
26186 /26186	DEF AT radiolarians	DEF AT
26187 /26187	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
26188 /26188	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26189 /26189	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 93  
Lease Number: G25780  
Well Name: 001  
API Well Number: 608084003400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-MAY-2016

Date of Summary: 14-JAN-2014  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 24220 - 27463  
Ecozone Eq MMS:

First Sample Examined: 24220  
Borehole MD: 27463  
Borehole TVD: 27463  
Rkb Elevation: 84  
Water Depth: 4856  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26190 /26190	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT
26220 /26220	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
26250 /26250	DEF AT local marker planktic foram increase	DEF AT
26280 /26280	DEF AT local marker foram decrease	DEF AT
26310 /26310	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT
26369 /26369	DEF AT local marker foram decrease	DEF AT
26370 /26370	DEF AT Arenaceous fauna (local marker)	DEF AT
26399 /26399	DEF AT local marker foram decrease	DEF AT
26400 /26400	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
26428 /26428	DEF AT radiolarians	DEF AT
26429 /26429	DEF AT local marker planktic foram increase	DEF AT
26430 /26430	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT
26458 /26458	DEF AT radiolarians	DEF AT
26459 /26459	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
26460 /26460	DEF AT local marker planktic foram increase	DEF AT
26519 /26519	DEF AT radiolarians	DEF AT
26520 /26520	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
26580 /26580	DEF AT local marker foram decrease	DEF AT
26609 /26609	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
26610 /26610	DEF AT radiolarians	DEF AT
26639 /26639	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT
26649 /26649	POS AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT
26729 /26729	POS AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT
26730 /26730	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 93	<b>Date of Summary:</b> 14-JAN-2014	<b>First Sample Examined:</b> 24220
<b>Lease Number:</b> G25780	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27463
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27463
<b>API Well Number:</b> 608084003400	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 24220 - 27463	<b>Water Depth:</b> 4856
<b>Public Info Code:</b> Y 19-MAY-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26909 /26909	DEF AT Bathysiphon fauna	DEF AT
26910 /26910	DEF AT radiolarians	DEF AT
26939 /26939	DEF AT local marker planktic foram increase	DEF AT
26940 /26940	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
26970 /26970	DEF AT Bathysiphon fauna	DEF AT
27000 /27000	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
27060 /27060	POS AT local marker floral increase	DEF AT
27359 /27359	DEF AT local marker floral increase	DEF AT
27360 /27360	DEF AT local marker planktic foram increase	DEF AT
27415 /27415	DEF AT local marker foram decrease	DEF AT
27425 /27425	DEF AT local marker floral increase	DEF AT
27455 /27455	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
27463 /27463	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 93	Date of Summary: 14-JAN-2014	First Sample Examined: 26250
Lease Number: G25780	Source of Paleo: OPERATOR	Borehole MD: 29221
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29212
API Well Number: 608084003401	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 26250 - 29221	Water Depth: 4860
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Gila Prospect, company-integrated foram and nanno report done by BP and Ellington and Associates, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26250 /26250	DEF AT first sample examined	DEF AT
26251 /26251	DEF IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26252 /26252	DEF IN Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT
26259 /26259	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT
26260 /26260	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
26280 /26280	DEF AT local marker foram decrease	DEF AT
26320 /26320	POS AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT
26329 /26329	DEF AT local marker foram decrease	DEF AT
26330 /26330	DEF AT Arenaceous fauna (local marker)	DEF AT
26390 /26389	DEF AT local marker foram decrease	DEF AT
26420 /26419	POS AT local marker planktic foram increase	DEF AT
26448 /26447	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
26449 /26448	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
26450 /26449	DEF AT radiolarians	DEF AT
26479 /26478	DEF AT local marker planktic foram increase	DEF AT
26480 /26479	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT
26510 /26509	DEF AT radiolarians	DEF AT
26598 /26596	DEF AT radiolarians	DEF AT
26599 /26597	DEF AT local marker floral increase	DEF AT
26600 /26598	DEF AT local marker foram increase	DEF AT
26618 /26616	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 93	Date of Summary: 14-JAN-2014	First Sample Examined: 26250
Lease Number: G25780	Source of Paleo: OPERATOR	Borehole MD: 29221
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29212
API Well Number: 608084003401	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 26250 - 29221	Water Depth: 4860
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26650 /26648	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT
26680 /26677	DEF AT local marker floral increase	DEF AT
26710 /26707	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
26770 /26767	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
26800 /26797	DEF AT radiolarians	DEF AT
26860 /26856	DEF AT local marker floral increase	DEF AT
26889 /26885	DEF AT Bathysiphon fauna	DEF AT
26890 /26886	DEF AT radiolarians	DEF AT
26920 /26916	DEF AT Bathysiphon fauna	DEF AT
26979 /26974	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
26980 /26975	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
27250 /27242	POS AT local marker planktic foram increase	DEF AT
27390 /27382	DEF AT local marker floral increase	DEF AT
27471 /27462	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
27490 /27481	POS AT local marker planktic foram increase	DEF AT
27650 /27641	DEF AT local marker floral increase	DEF AT
27770 /27761	DEF AT local marker planktic foram increase	DEF AT
27950 /27941	DEF AT local marker floral increase	DEF AT
28080 /28071	DEF AT local marker floral increase	DEF AT
28260 /28251	POS AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT
28350 /28341	DEF AT local marker floral increase	DEF AT
28440 /28431	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
28499 /28490	DEF AT Bathysiphon fauna	DEF AT
28500 /28491	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 93	<b>Date of Summary:</b> 14-JAN-2014	<b>First Sample Examined:</b> 26250
<b>Lease Number:</b> G25780	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29221
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29212
<b>API Well Number:</b> 608084003401	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 26250 - 29221	<b>Water Depth:</b> 4860
<b>Public Info Code:</b> Y 19-MAY-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28710 /28701	DEF AT local marker floral increase	DEF AT
28770 /28761	DEF AT Bathysiphon fauna	DEF AT
29000 /28991	DEF AT Bathysiphon fauna	DEF AT
29140 /29131	DEF AT local marker floral increase	DEF AT
29221 /29212	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 93	Date of Summary: 21-NOV-2014	First Sample Examined: 24350
Lease Number: G25780	Source of Paleo: OPERATOR	Borehole MD: 26799
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26646
API Well Number: 608084003402	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 24350 - 26799	Water Depth: 4856
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Gila Prospect, paleo done by BP and Elington & Assoc, 26700=Middle Eocene (Lutetian) Blackites gladius, company-integrated foram and nanno report done by BP and Ellington and Associates, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24350 /24197	DEF AT first sample examined	DEF AT
24351 /24198	DEF IN salt	DEF AT
24352 /24199	DEF IN Lower Oligocene Rupelian Stage	DEF AT
24720 /24567	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
24810 /24657	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
24900 /24747	DEF AT Bathysiphon fauna	DEF AT
24954 /24801	DEF AT drilling material	DEF AT
24989 /24836	DEF AT radiolarians	DEF AT
24990 /24837	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT
25050 /24897	DEF AT reworked material	DEF AT
25318 /25165	DEF AT reworked material	DEF AT
25319 /25166	DEF AT local marker floral increase	DEF AT
25320 /25167	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25380 /25227	DEF AT floral flood	DEF AT
25410 /25257	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
25440 /25287	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT
25470 /25317	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT
25530 /25377	DEF AT floral flood	DEF AT
25590 /25437	POS AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
25620 /25467	DEF AT local marker floral decrease	DEF AT
25680 /25527	DEF AT floral flood	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 93  
Lease Number: G25780  
Well Name: 001  
API Well Number: 608084003402  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-MAY-2016

Date of Summary: 21-NOV-2014  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 24350 - 26799  
Ecozone Eq MMS:

First Sample Examined: 24350  
Borehole MD: 26799  
Borehole TVD: 26646  
Rkb Elevation: 84  
Water Depth: 4856  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25799 /25646	DEF AT Lower Oligocene (Rupelian) <i>Ericsonia subdisticha</i>	DEF AT
25800 /25647	DEF AT local marker planktic foram increase	DEF AT
25829 /25676	DEF AT local marker benthic foram increase	DEF AT
25830 /25677	DEF AT Lower Oligocene (Rupelian) <i>Pseudohastigerina micra</i>	DEF AT
25919 /25766	DEF AT Lower Oligocene (Rupelian) <i>Reticulofenestra hillae</i>	DEF AT
25920 /25767	DEF AT local marker planktic foram increase	DEF AT
25948 /25795	DEF AT Lower Oligocene (Rupelian) <i>Reticulofenestra umbilica</i>	DEF AT
25949 /25796	DEF AT floral flood	DEF AT
25950 /25797	DEF AT foram flood	DEF AT
25980 /25827	DEF AT Lower Oligocene (Rupelian) <i>Calcidiscus reticulata</i>	DEF AT
26040 /25887	DEF AT Lower Oligocene (Rupelian) <i>Ericsonia formosa</i>	DEF AT
26340 /26187	DEF AT reworked material	DEF AT
26369 /26216	DEF AT Upper Eocene (Priabonian) <i>Discoaster saipanensis</i>	DEF AT
26370 /26217	DEF AT Upper Eocene (Priabonian) <i>Discoaster barbadiensis</i>	DEF AT
26399 /26246	DEF AT radiolarians	DEF AT
26400 /26247	DEF AT Upper Eocene (Priabonian) <i>Cribrocentrum reticulatum</i>	DEF AT
26430 /26277	DEF AT reworked material	DEF AT
26458 /26305	DEF AT Middle Eocene (Bartonian) <i>Micrantholithus procerus</i>	DEF AT
26459 /26306	DEF AT Middle Eocene (Bartonian) <i>Pemma basquensis</i>	DEF AT
26460 /26307	DEF AT Middle Eocene (Bartonian) <i>Truncorotaloides topilensis</i>	DEF AT
26490 /26337	DEF AT reworked material	DEF AT
26520 /26367	DEF AT local marker foram decrease	DEF AT
26580 /26427	DEF AT radiolarians	DEF AT
26608 /26455	DEF AT radiolarians	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 93	<b>Date of Summary:</b> 21-NOV-2014	<b>First Sample Examined:</b> 24350
<b>Lease Number:</b> G25780	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26799
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 26646
<b>API Well Number:</b> 608084003402	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 24350 - 26799	<b>Water Depth:</b> 4856
<b>Public Info Code:</b> Y 19-MAY-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26609 /26456	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
26610 /26457	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT
26670 /26517	DEF AT radiolarians	DEF AT
26700 /26547	POS AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
26730 /26577	DEF AT radiolarians	DEF AT
26799 /26646	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 93	Date of Summary: 30-JUN-2015	First Sample Examined: 27305
Lease Number: G25780	Source of Paleo: OPERATOR	Borehole MD: 29855
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29684
API Well Number: 608084003404	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 27305 - 29885	Water Depth: 4860
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Gila Prospect, company-integrated foram and nanno report done by BP and Ellington and Associates, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27305 /27075	DEF AT first sample examined	DEF AT
27306 /27076	DEF IN Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
27315 /27085	POS IN Lower Eocene (Ypresian) Morozovella acuta	DEF AT
27450 /27220	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
27540 /27310	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT
27630 /27400	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
28280 /28050	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT
28670 /28440	DEF AT Bathysiphon fauna	DEF AT
28887 /28657	DEF AT Bathysiphon fauna	DEF AT
28980 /28750	DEF AT Bathysiphon fauna	DEF AT
29100 /28870	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
29520 /29290	DEF AT Bathysiphon fauna	DEF AT
29670 /29440	DEF AT Bathysiphon fauna	DEF AT
29885 /29655	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 199	Date of Summary: 07-SEP-2000	First Sample Examined: 8385
Lease Number: G19517	Source of Paleo: OPERATOR	Borehole MD: 19583
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19576
API Well Number: 608084000200	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 8385 - 19583	Water Depth: 5565
Public Info Code: Y 31-DEC-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8385 / 8384	DEF AT first sample examined	DEF AT
8920 / 8919	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11380 /11379	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13900 /13899	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14860 /14858	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17080 /17078	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17770 /17767	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18100 /18097	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
18130 /18127	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18580 /18576	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19300 /19294	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19583 /19576	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 199	Date of Summary: 08-SEP-2000	First Sample Examined: 8385
Lease Number: G19517	Source of Paleo: OPERATOR	Borehole MD: 19583
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19576
API Well Number: 608084000200	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 8385 - 19583	Water Depth: 5565
Public Info Code: Y 31-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8385 / 8384	DEF AT first sample examined	DEF AT 5
8920 / 8919	DEF AT -----	DEF IN 5
9310 / 9309	DEF AT -----	DEF AT 5
11320 /11319	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
11920 /11919	DEF AT -----	DEF AT 5
13210 /13209	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
17170 /17168	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
18100 /18097	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18760 /18755	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
19583 /19576	DEF AT last sample examined	DEF AT 5



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244	Date of Summary: 03-DEC-2007	First Sample Examined: 20620
Lease Number: G19530	Source of Paleo: OPERATOR	Borehole MD: 31462
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31459
API Well Number: 608084001200	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 20620 - 31462	Water Depth: 5431
Public Info Code: Y 24-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Cortez Bank Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20620 /20619	DEF AT first sample examined	DEF IN 6
20621 /20620	DEF AT out-of-place section	DEF IN 6
20680 /20679	DEF AT local marker planktic foram increase	DEF IN 6
20920 /20919	DEF AT local marker foram increase	DEF IN 6
21070 /21069	DEF AT local marker planktic foram increase	DEF IN 6
21249 /21248	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 6
21250 /21249	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
21310 /21309	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 6
21339 /21338	DEF AT out-of-place section	DEF IN 6
21340 /21339	DEF AT radiolarians	DEF IN 6
21400 /21399	DEF AT local marker planktic foram increase	DEF IN 6
21519 /21518	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 6
21520 /21519	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 6
21580 /21579	DEF AT local marker foram decrease	DEF IN 6
22000 /21999	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
22060 /22059	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 6
22120 /22119	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 6
22209 /22208	DEF AT radiolarians	DEF IN 6
22210 /22209	DEF AT local marker planktic foram increase	DEF IN 6
22240 /22239	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
22360 /22359	DEF AT local marker foram increase	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244	Date of Summary: 03-DEC-2007	First Sample Examined: 20620
Lease Number: G19530	Source of Paleo: OPERATOR	Borehole MD: 31462
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31459
API Well Number: 608084001200	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 20620 - 31462	Water Depth: 5431
Public Info Code: Y 24-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22600 /22599	DEF AT local marker planktic foram increase	DEF IN 6
22840 /22839	DEF AT local marker planktic foram increase	DEF IN 6
22870 /22869	DEF AT local marker foram decrease	DEF IN 6
23230 /23229	DEF AT local marker floral increase	DEF IN 6
23297 /23296	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 6
23440 /23439	POS AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF IN 6
23470 /23469	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 6
23620 /23619	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
23649 /23648	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF IN 6
23650 /23649	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 6
23739 /23738	DEF AT radiolarians	DEF IN 6
23740 /23739	DEF AT local marker planktic foram increase	DEF IN 6
23860 /23858	DEF IN Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 6
23890 /23888	DEF AT radiolarians	DEF IN 6
24098 /24096	DEF AT local marker foram decrease	DEF IN 6
24099 /24097	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF IN 6
24100 /24098	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF IN 6
24129 /24127	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN 6
24130 /24128	POS AT Lower Eocene (Ypresian) Morozovella quetra	DEF IN 6
24280 /24278	DEF AT radiolarians	DEF IN 6
24364 /24362	DEF AT salt	DEF AT 6
24610 /24608	DEF AT base of salt	DEF AT 6
24790 /24788	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 6
24880 /24878	DEF AT Arenaceous fauna (local marker)	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244	Date of Summary: 03-DEC-2007	First Sample Examined: 20620
Lease Number: G19530	Source of Paleo: OPERATOR	Borehole MD: 31462
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31459
API Well Number: 608084001200	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 20620 - 31462	Water Depth: 5431
Public Info Code: Y 24-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25030 /25028	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 6
25120 /25118	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 6
25240 /25238	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 6
25294 /25292	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6
25450 /25448	POS AT local marker planktic foram increase	DEF AT 6
25570 /25568	DEF AT transported shelf fauna	POS AT 6
25600 /25598	POS AT local marker planktic foram increase	DEF AT 6
25660 /25658	DEF AT Bathysiphon fauna	DEF AT 6
25720 /25718	POS AT local marker planktic foram increase	DEF AT 6
25840 /25838	DEF AT Bathysiphon fauna	DEF AT 6
26050 /26048	DEF AT Arenaceous fauna (local marker)	DEF AT 6
26169 /26167	DEF AT local marker benthic foram increase	DEF AT 6
26170 /26168	DEF AT local marker planktic foram increase	DEF AT 6
26260 /26258	DEF AT transported shelf fauna	POS AT 6
26290 /26288	POS AT Arenaceous fauna (local marker)	DEF AT 6
26349 /26347	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT 6
26350 /26348	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
26380 /26378	DEF AT - - - - -	DEF IN 6
26490 /26488	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 6
26680 /26678	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF IN 6
26740 /26738	DEF AT local marker planktic foram increase	DEF IN 6
26770 /26768	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF IN 6
26830 /26828	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF IN 6
26980 /26978	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244  
Lease Number: G19530  
Well Name: 001  
API Well Number: 608084001200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 24-JUL-2011

Date of Summary: 03-DEC-2007  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 20620 - 31462  
Ecozone Eq MMS: Y

First Sample Examined: 20620  
Borehole MD: 31462  
Borehole TVD: 31459  
Rkb Elevation: 75  
Water Depth: 5431  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27099 /27097	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 6
27100 /27098	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
27190 /27188	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 6
27219 /27217	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 6
27220 /27218	POS AT local marker planktic foram increase	DEF IN 6
27339 /27337	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF IN 6
27340 /27338	POS AT local marker planktic foram increase	DEF IN 6
27430 /27428	DEF AT local marker planktic foram increase	DEF IN 6
27730 /27728	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
27880 /27878	DEF AT Arenaceous fauna (local marker)	DEF IN 6
28360 /28358	POS AT local marker planktic foram increase	DEF IN 6
28390 /28388	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
28569 /28567	DEF AT reworked material	DEF IN 6
28570 /28568	DEF AT local marker planktic foram increase	DEF IN 6
28625 /28623	DEF AT unconformity	DEF IN 6
28626 /28624	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 6
28627 /28625	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF IN 6
28628 /28626	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6
28629 /28627	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 6
28630 /28628	DEF AT radiolarians	DEF IN 6
28660 /28658	DEF AT local marker foram decrease	DEF IN 6
28748 /28746	DEF AT unconformity	DEF IN 6
28749 /28747	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF IN 6
28750 /28748	DEF AT Upper Eocene (Priabonian) Globigerinathea semiinvoluta	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244  
Lease Number: G19530  
Well Name: 001  
API Well Number: 608084001200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 24-JUL-2011

Date of Summary: 03-DEC-2007  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 20620 - 31462  
Ecozone Eq MMS: Y

First Sample Examined: 20620  
Borehole MD: 31462  
Borehole TVD: 31459  
Rkb Elevation: 75  
Water Depth: 5431  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28870 /28868	DEF AT Arenaceous fauna (local marker)	DEF IN 6
28960 /28958	DEF AT radiolarians	DEF IN 6
28989 /28987	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 6
28990 /28988	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 6
29019 /29017	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF IN 6
29020 /29018	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
29050 /29048	DEF AT radiolarians	DEF IN 6
29109 /29107	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF IN 6
29110 /29108	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF IN 6
29139 /29137	DEF AT radiolarians	DEF IN 6
29140 /29138	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 6
29170 /29168	DEF AT local marker foram decrease	DEF IN 6
29200 /29198	DEF AT Bathysiphon fauna	DEF IN 6
29237 /29235	DEF AT local marker foram decrease	DEF IN 6
29238 /29236	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF IN 6
29260 /29258	POS AT Bathysiphon fauna	DEF IN 6
29380 /29378	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF IN 6
29450 /29448	DEF AT local marker planktic foram increase	DEF IN 6
29530 /29528	DEF AT Upper Paleocene (Thanetian) Morozovella angulata	DEF IN 6
29680 /29678	POS AT local marker planktic foram increase	DEF IN 6
29890 /29888	POS AT local marker planktic foram increase	DEF IN 6
29920 /29918	DEF AT local marker foram increase	DEF IN 6
29950 /29948	DEF AT local marker foram decrease	DEF IN 6
30160 /30157	DEF AT local marker foram decrease	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244	Date of Summary: 03-DEC-2007	First Sample Examined: 20620
Lease Number: G19530	Source of Paleo: OPERATOR	Borehole MD: 31462
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31459
API Well Number: 608084001200	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 20620 - 31462	Water Depth: 5431
Public Info Code: Y 24-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30190 /30187	POS AT Bathysiphon fauna	DEF IN 6
30280 /30277	POS AT local marker planktic foram increase	DEF IN 6
30430 /30427	POS AT Bathysiphon fauna	DEF IN 6
30610 /30607	POS AT Arenaceous fauna (local marker)	DEF IN 6
30700 /30697	POS AT local marker foram increase	DEF IN 6
31090 /31087	POS AT Bathysiphon fauna	DEF IN 6
31210 /31207	POS AT Bathysiphon fauna	DEF IN 6
31300 /31297	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF IN 6
31360 /31357	POS AT Bathysiphon fauna	DEF IN 6
31390 /31387	DEF AT local marker foram increase	DEF IN 6
31450 /31447	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244	Date of Summary: 20-DEC-2007	First Sample Examined: 22620
Lease Number: G19530	Source of Paleo: OPERATOR	Borehole MD: 30743
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29601
API Well Number: 608084001201	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 22620 - 30743	Water Depth: 5431
Public Info Code: Y 24-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Cortez Bank Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22620 /22619	DEF AT first sample examined	DEF AT 6
22621 /22620	DEF AT out-of-place section	DEF AT 6
24159 /24119	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT 6
24160 /24120	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT 6
24190 /24148	DEF AT out-of-place section	DEF AT 6
24558 /24472	DEF AT salt	DEF AT 6
24650 /24549	DEF AT base of salt	DEF AT 6
24651 /24550	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
24652 /24550	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
24700 /24590	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT 6
25060 /24884	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 6
25120 /24932	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
25270 /25054	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 6
25390 /25151	DEF AT Lower Miocene (Aquitania) Discoaster saundersi	DEF AT 6
25540 /25273	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 6
25900 /25564	DEF AT local marker benthic foram increase	DEF AT 6
25930 /25588	DEF AT local marker planktic foram increase	DEF AT 6
26050 /25684	DEF AT Bathysiphon fauna	DEF AT 6
26140 /25757	DEF AT local marker planktic foram increase	DEF AT 6
26290 /25878	DEF AT Arenaceous fauna (local marker)	DEF AT 6
26740 /26237	DEF AT local marker planktic foram increase	DEF AT 6
26950 /26405	DEF AT local marker planktic foram increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244  
Lease Number: G19530  
Well Name: 001  
API Well Number: 608084001201  
Paleo Report Num: 1 of 1  
Public Info Code: Y 24-JUL-2011

Date of Summary: 20-DEC-2007  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 22620 - 30743  
Ecozone Eq MMS: Y

First Sample Examined: 22620  
Borehole MD: 30743  
Borehole TVD: 29601  
Rkb Elevation: 75  
Water Depth: 5431  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27040 /26477	POS AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 6
27100 /26525	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 6
27143 /26560	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF IN 6
27220 /26623	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF IN 6
27340 /26722	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF IN 6
27370 /26747	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 6
27400 /26772	DEF AT local marker foram decrease	DEF IN 6
27520 /26872	POS AT out-of-place section	DEF IN 6
27550 /26897	DEF AT local marker foram increase	DEF IN 6
27640 /26973	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 6
27730 /27048	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 6
27820 /27124	DEF AT local marker planktic foram increase	DEF IN 6
28000 /27276	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 6
28150 /27402	DEF AT Arenaceous fauna (local marker)	DEF IN 6
28240 /27479	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF IN 6
28510 /27707	DEF AT local marker planktic foram increase	DEF IN 6
28540 /27732	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF IN 6
28570 /27757	DEF AT local marker foram increase	DEF IN 6
28840 /27985	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
29080 /28188	DEF AT reworked material	DEF IN 6
29140 /28239	DEF AT Bathysiphon fauna	DEF IN 6
29199 /28289	DEF AT reworked material	DEF IN 6
29200 /28289	DEF AT local marker planktic foram increase	DEF IN 6
29440 /28493	DEF AT local marker planktic foram increase	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 244	Date of Summary: 20-DEC-2007	First Sample Examined: 22620
Lease Number: G19530	Source of Paleo: OPERATOR	Borehole MD: 30743
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29601
API Well Number: 608084001201	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 22620 - 30743	Water Depth: 5431
Public Info Code: Y 24-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29497 /28542	DEF AT unconformity	DEF IN 6
29498 /28542	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF IN 6
29499 /28543	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 6
29500 /28544	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 6
29529 /28569	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 6
29530 /28570	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6
29948 /28923	DEF AT radiolarians	DEF IN 6
29949 /28924	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF IN 6
29950 /28924	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 6
30010 /28975	DEF AT Middle Eocene (Bartonian) Birkelundia staurion	DEF IN 6
30040 /29001	DEF IN Middle Eocene (Bartonian) Chiasmolithus solitus	DEF IN 6
30128 /29075	DEF AT radiolarians	DEF IN 6
30129 /29076	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF IN 6
30130 /29077	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF IN 6
30160 /29102	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF IN 6
30220 /29153	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF IN 6
30250 /29179	DEF IN Upper Paleocene (Thanetian) Heliolithus riedelli	DEF IN 6
30280 /29204	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF IN 6
30459 /29357	DEF AT Bathysiphon fauna	DEF IN 6
30460 /29358	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF IN 6
30550 /29436	DEF AT local marker planktic foram increase	DEF IN 6
30730 /29590	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> KC 292	<b>Date of Summary:</b> 01-APR-2008	<b>First Sample Examined:</b> 9326
<b>Lease Number:</b> G25792	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17952
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17950
<b>API Well Number:</b> 608084001100	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9326 - 10400	<b>Water Depth:</b> 5873
<b>Public Info Code:</b> Y 19-MAR-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Kaskida Prospect, supra-salt section, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9326 / 9325	DEF AT first sample examined	DEF AT
9327 / 9326	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9390 / 9389	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
9420 / 9419	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9569 / 9568	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9570 / 9569	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9600 / 9599	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9630 / 9629	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9660 / 9659	DEF AT local marker floral increase	DEF AT
9780 / 9779	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9930 / 9929	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
9959 / 9958	DEF AT reworked material	DEF AT
9960 / 9959	DEF AT local marker floral increase	DEF AT
10080 /10079	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10110 /10109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10168 /10167	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10169 /10168	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
10170 /10169	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10199 /10198	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10200 /10199	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10230 /10229	POS IN Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
10300 /10299	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 292	Date of Summary: 01-APR-2008	First Sample Examined: 9326
Lease Number: G25792	Source of Paleo: OPERATOR	Borehole MD: 17952
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17950
API Well Number: 608084001100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 9326 - 10400	Water Depth: 5873
Public Info Code: Y 19-MAR-2016	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 /10399	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 292	Date of Summary: 28-JUN-2006	First Sample Examined: 17910
Lease Number: G25792	Source of Paleo: OPERATOR	Borehole MD: 30450
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 30444
API Well Number: 608084001101	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17910 - 30450	Water Depth: 5873
Public Info Code: Y 30-APR-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Kaskida Prospect, company-integrated foram and nanno report, 27020=Lower Oligocene (Rupelian) Helicosphaera bramlettei, 27260=Lower Oligocene (Rupelian) Sphenolithus akropodus, 28700=Lower Oligocene (Rupelian) Helicosphaera salebrosa, 28790=Lower Oligocene (Rupelian) Helicosphaera reticulata, 29500=Lower Eocene (Ypresian) Discoaster elegans, 29530=Lower Eocene (Ypresian) Sphenolithus anarrhopus, 29780=Lower Eocene (Ypresian) Tribrachiatus bramlettei, 30030=in Paleocene (Selandian) consistent Prinsius martinii, foram and nannofossil abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17910 /17906	DEF AT first sample examined	DEF AT
17911 /17907	DEF IN salt	DEF AT
17950 /17946	DEF AT radiolarians	DEF AT
24600 /24595	DEF AT base of salt	DEF AT
24601 /24596	DEF AT out-of-place section	DEF AT
24638 /24633	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
24690 /24685	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
24720 /24715	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
24749 /24744	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
24750 /24745	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25560 /25555	DEF AT local marker floral increase	DEF AT
25650 /25645	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
26040 /26035	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT
26160 /26155	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
26280 /26275	DEF AT local marker floral increase	DEF AT
26630 /26625	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
26750 /26745	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
26900 /26895	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 292  
Lease Number: G25792  
Well Name: 001  
API Well Number: 608084001101  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-APR-2016

Date of Summary: 28-JUN-2006  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 17910 - 30450  
Ecozone Eq MMS:

First Sample Examined: 17910  
Borehole MD: 30450  
Borehole TVD: 30444  
Rkb Elevation: 75  
Water Depth: 5873  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26959 /26954	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
26960 /26955	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT
27020 /27015	DEF AT local marker floral increase	DEF AT
27080 /27075	POS AT Upper Oligocene (Chattian) Marginulina texana	DEF AT
27170 /27165	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
27230 /27225	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
27260 /27255	POS AT local marker floral increase	DEF AT
27290 /27285	DEF AT reworked material	DEF AT
27440 /27435	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT
27470 /27465	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT
28070 /28065	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT
28250 /28245	POS AT unconformity	DEF AT
28610 /28605	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
28670 /28665	POS AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT
28700 /28695	DEF AT local marker floral increase	DEF AT
28790 /28785	DEF AT local marker floral increase	DEF AT
29030 /29025	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
29055 /29050	POS AT unconformity	DEF AT
29056 /29051	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
29057 /29052	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
29058 /29053	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
29059 /29054	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT
29060 /29055	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
29088 /29083	DEF AT radiolarians	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 292	Date of Summary: 28-JUN-2006	First Sample Examined: 17910
Lease Number: G25792	Source of Paleo: OPERATOR	Borehole MD: 30450
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 30444
API Well Number: 608084001101	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17910 - 30450	Water Depth: 5873
Public Info Code: Y 30-APR-2016	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29089 /29084	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
29090 /29085	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
29120 /29115	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
29180 /29175	DEF AT radiolarians	DEF AT
29210 /29205	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
29269 /29264	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
29270 /29265	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
29300 /29295	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
29330 /29325	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
29360 /29355	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
29500 /29495	DEF AT local marker floral increase	DEF AT
29530 /29525	DEF AT local marker floral increase	DEF AT
29779 /29774	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
29780 /29775	POS IN local marker floral increase	DEF AT
29920 /29915	DEF AT local marker floral increase	DEF AT
30030 /30024	DEF IN Upper Paleocene Selandian Stage	DEF AT
30370 /30364	DEF AT Arenaceous fauna (local marker)	DEF AT
30450 /30444	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 292	Date of Summary: 29-JUN-2006	First Sample Examined: 30220
Lease Number: G25792	Source of Paleo: OPERATOR	Borehole MD: 32499
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32475
API Well Number: 608084001102	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 30220 - 32499	Water Depth: 5859
Public Info Code: Y 21-JUN-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Kaskida Prospect, company-integrated foram and nanno report, 30390=Fasciculithus involutus LAD, 31050=increase in Cruciplacolithus primus small, 31310=occurrence of Discoaster salisburgensis, 32480=possible Prinsius teniculus, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30220 /30213	DEF AT first sample examined	DEF AT
30359 /30351	DEF AT Bathysiphon fauna	DEF AT
30360 /30352	DEF AT Arenaceous fauna (local marker)	DEF AT
30390 /30382	POS IN Lower Eocene (Ypresian) Chiasmolithus californicus	DEF AT
30720 /30711	DEF AT Arenaceous fauna (local marker)	DEF AT
30780 /30771	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
31049 /31039	DEF IN Bathysiphon fauna	DEF AT
31050 /31040	POS IN Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
31310 /31298	DEF IN local marker floral increase	DEF AT
31400 /31388	DEF AT Arenaceous fauna (local marker)	DEF AT
32419 /32397	POS AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
32420 /32398	POS AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT
32480 /32457	POS IN Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
32499 /32475	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 414	<b>Date of Summary:</b> 31-JAN-2015	<b>First Sample Examined:</b> 20258
<b>Lease Number:</b> G26748	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30780
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 30057
<b>API Well Number:</b> 608084005000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20258 - 30780	<b>Water Depth:</b> 5515
<b>Public Info Code:</b> Y 16-MAR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sweetwater Prospect, foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20258 /20258	DEF AT first sample examined	DEF AT 6
20259 /20259	DEF IN out-of-place section	DEF AT 6
20329 /20329	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20330 /20330	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
20350 /20350	POS AT reworked material	DEF AT 6
20360 /20360	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
20420 /20420	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
20620 /20620	DEF AT Arenaceous fauna (local marker)	DEF AT 6
20833 /20833	DEF AT reworked material	DEF AT 6
20950 /20950	DEF AT local marker planktic foram increase	DEF AT 6
21130 /21130	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
21340 /21339	DEF AT local marker planktic foram increase	DEF AT 7
21400 /21399	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 7
22990 /22967	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 7
23440 /23386	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 7
23590 /23523	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 7
23740 /23659	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 7
24850 /24665	DEF AT local marker planktic foram increase	DEF AT 7
25000 /24801	DEF AT local marker benthic foram increase	DEF AT 7
25030 /24828	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 7
25118 /24907	DEF AT foram flood	DEF AT 7
25120 /24909	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 7

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 414	<b>Date of Summary:</b> 31-JAN-2015	<b>First Sample Examined:</b> 20258
<b>Lease Number:</b> G26748	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30780
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 30057
<b>API Well Number:</b> 608084005000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20258 - 30780	<b>Water Depth:</b> 5515
<b>Public Info Code:</b> Y 16-MAR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25885 /25603	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 7
26258 /25940	DEF AT first sample examined	DEF AT 6
26860 /26488	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 7
27100 /26706	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 7
27250 /26843	DEF AT radiolarians	DEF AT 7
27310 /26897	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 7
27340 /26925	DEF AT radiolarians	DEF AT 7
27370 /26952	POS AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 7
27430 /27006	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 7
27640 /27198	DEF AT radiolarians	DEF AT 7
27790 /27334	POS AT Arenaceous fauna (local marker)	DEF AT 7
28000 /27525	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 7
28570 /28043	DEF AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT 7
29200 /28617	DEF AT Bathysiphon fauna	DEF AT 7
29895 /29250	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 7
30780 /30057	DEF AT last sample examined	DEF AT 7

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 414	<b>Date of Summary:</b> 21-JUL-2015	<b>First Sample Examined:</b> 16250
<b>Lease Number:</b> G26748	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30780
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 30057
<b>API Well Number:</b> 608084005000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16250 - 30780	<b>Water Depth:</b> 5515
<b>Public Info Code:</b> Y 16-MAR-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Sweetwater Prospect, calcareous nannofossil report, 28570=PETM assemblage, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16250 /16250	DEF AT first sample examined	DEF AT
16255 /16255	DEF IN out-of-place section	DEF AT
20225 /20225	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
20255 /20255	DEF AT out-of-place section	DEF AT
20256 /20256	DEF AT local marker floral decrease	DEF AT
20258 /20258	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
20290 /20290	DEF AT out-of-place section	DEF AT
20329 /20329	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20330 /20330	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
20650 /20650	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
20740 /20740	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
20950 /20950	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21100 /21100	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
21550 /21549	DEF AT reworked material	DEF AT
21940 /21938	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22300 /22294	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22480 /22472	DEF AT reworked material	DEF AT
22810 /22794	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22959 /22937	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
22960 /22938	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23440 /23386	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 414	<b>Date of Summary:</b> 21-JUL-2015	<b>First Sample Examined:</b> 16250
<b>Lease Number:</b> G26748	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30780
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 30057
<b>API Well Number:</b> 608084005000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16250 - 30780	<b>Water Depth:</b> 5515
<b>Public Info Code:</b> Y 16-MAR-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23500 /23441	POS AT Lower Miocene (Aquitani) Sphenolithus dissimilis	DEF AT
23980 /23877	DEF AT Lower Miocene (Aquitani) Discoaster saundersi	DEF AT
24310 /24176	DEF AT local marker floral increase	DEF AT
24370 /24231	DEF AT Lower Miocene (Aquitani) Cyclicargolithus abisectus	DEF AT
24430 /24285	DEF AT Lower Miocene (Aquitani) Helicosphaera recta	DEF AT
24850 /24665	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
24880 /24692	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
24940 /24746	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
24965 /24769	DEF AT local marker floral increase	DEF AT
24970 /24773	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
25030 /24828	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
25390 /25154	DEF AT local marker floral increase	DEF AT
25630 /25372	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
25689 /25425	DEF AT reworked material	DEF AT
25690 /25426	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
25870 /25589	DEF AT out-of-place section	DEF AT
25900 /25616	DEF AT reworked material	DEF AT
26170 /25861	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
26230 /25915	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
26290 /25969	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
26650 /26297	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
27070 /26679	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
27189 /26787	POS AT reworked material	DEF AT
27190 /26788	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 414	Date of Summary: 21-JUL-2015	First Sample Examined: 16250
Lease Number: G26748	Source of Paleo: OPERATOR	Borehole MD: 30780
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 30057
API Well Number: 608084005000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 16250 - 30780	Water Depth: 5515
Public Info Code: Y 16-MAR-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27340 /26925	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
27370 /26952	POS AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
27400 /26979	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
27520 /27088	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
27610 /27170	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
27670 /27225	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
27820 /27362	POS AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
27910 /27444	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
28360 /27852	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
28570 /28043	DEF AT local marker floral increase	DEF AT
28600 /28070	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
29770 /29136	DEF AT Upper Paleocene Selandian Stage	DEF AT
29925 /29277	DEF IN Upper Paleocene Selandian Stage	DEF AT
30490 /29792	DEF AT Lower Paleocene Danian Stage	DEF AT
30780 /30057	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 470	Date of Summary: 15-FEB-2010	First Sample Examined: 9210
Lease Number: G22360	Source of Paleo: OPERATOR	Borehole MD: 31520
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30851
API Well Number: 608084001900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9210 - 30851	Water Depth: 6051
Public Info Code: Y 20-MAR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9210 / 9210	DEF AT first sample examined	DEF AT 5
9240 / 9240	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
9330 / 9330	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
9450 / 9450	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
9479 / 9479	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9480 / 9480	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
9510 / 9510	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9540 / 9540	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
9570 / 9570	DEF AT sample gap top	DEF IN 5
9659 / 9659	DEF AT sample gap bottom	DEF IN 5
9660 / 9660	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
10050 /10050	DEF AT - - - - -	DEF AT 5
10230 /10230	DEF AT - - - - -	DEF AT 5
10619 /10619	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
10620 /10620	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
10649 /10649	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
10650 /10650	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10740 /10740	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
10770 /10770	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
10800 /10800	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10889 /10889	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
10890 /10890	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 470  
Lease Number: G22360  
Well Name: 001  
API Well Number: 608084001900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 20-MAR-2011

Date of Summary: 15-FEB-2010  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 9210 - 30851  
Ecozone Eq MMS: Y

First Sample Examined: 9210  
Borehole MD: 31520  
Borehole TVD: 30851  
Rkb Elevation: 85  
Water Depth: 6051  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11100 /11100	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF IN 5
11129 /11129	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
11130 /11130	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11210 /11210	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11309 /11309	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
11310 /11310	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
11340 /11340	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11370 /11370	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
11399 /11399	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
11400 /11400	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
11430 /11430	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11490 /11490	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
11580 /11580	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
11610 /11610	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF IN 5
11670 /11670	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
11699 /11699	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
11700 /11700	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
11730 /11730	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
11790 /11790	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF IN 5
11850 /11850	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
11880 /11880	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
11909 /11909	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus (increase)	DEF IN 5
11910 /11910	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11969 /11969	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 470  
Lease Number: G22360  
Well Name: 001  
API Well Number: 608084001900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 20-MAR-2011

Date of Summary: 15-FEB-2010  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 9210 - 30851  
Ecozone Eq MMS: Y

First Sample Examined: 9210  
Borehole MD: 31520  
Borehole TVD: 30851  
Rkb Elevation: 85  
Water Depth: 6051  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11970 /11970	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
11999 /11999	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
12000 /12000	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
12149 /12149	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
12150 /12150	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
12240 /12240	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
12389 /12389	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
12390 /12390	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
12420 /12420	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
12510 /12510	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
12590 /12590	DEF AT - - - - -	DEF AT 5
12620 /12620	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5
12650 /12650	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
13430 /13430	DEF AT - - - - -	DEF IN 5
13700 /13700	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
13820 /13820	DEF AT local marker floral increase	DEF IN 5
13850 /13850	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
13909 /13909	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF IN 5
13910 /13910	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF IN 5
13939 /13939	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5
13940 /13940	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF IN 5
14000 /14000	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF IN 5
14090 /14090	POS IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 5
14120 /14120	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 470  
Lease Number: G22360  
Well Name: 001  
API Well Number: 608084001900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 20-MAR-2011

Date of Summary: 15-FEB-2010  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 9210 - 30851  
Ecozone Eq MMS: Y

First Sample Examined: 9210  
Borehole MD: 31520  
Borehole TVD: 30851  
Rkb Elevation: 85  
Water Depth: 6051  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14150 /14150	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF IN 5
14240 /14240	POS IN Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
14299 /14299	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
14300 /14300	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
14329 /14329	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
14330 /14330	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5
14360 /14360	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 5
14479 /14479	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
14480 /14480	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF IN 5
14510 /14510	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 5
14570 /14570	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 5
14599 /14599	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 5
14600 /14600	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 5
14630 /14630	POS AT salt	POS IN 5
14750 /14750	DEF AT salt	DEF IN 5
21220 /21220	POS AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT 4
23980 /23980	DEF AT base of salt	POS AT 4
24140 /24140	DEF AT - - - - -	DEF AT 4
25040 /25040	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT 4
25130 /25129	POS AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 4
25339 /25337	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 4
25340 /25338	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4
25400 /25397	DEF AT - - - - -	DEF AT 5
25850 /25838	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 470  
Lease Number: G22360  
Well Name: 001  
API Well Number: 608084001900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 20-MAR-2011

Date of Summary: 15-FEB-2010  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 9210 - 30851  
Ecozone Eq MMS: Y

First Sample Examined: 9210  
Borehole MD: 31520  
Borehole TVD: 30851  
Rkb Elevation: 85  
Water Depth: 6051  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25880 /25867	POS AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 5
25940 /25925	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
26000 /25983	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
26030 /26012	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 5
26088 /26067	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
26089 /26068	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
26090 /26069	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
26150 /26127	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT 5
26420 /26384	POS AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 5
26630 /26580	DEF AT - - - - -	DEF AT 6
26750 /26691	DEF AT - - - - -	DEF AT 5
27109 /27011	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
27110 /27012	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
27139 /27037	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
27140 /27038	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
27350 /27220	DEF AT - - - - -	DEF AT 4
27650 /27480	POS AT Middle Eocene (Bartonian) Eponides yeguaensis	DEF AT 4
27680 /27506	POS AT Middle Eocene (Bartonian) Pemma stradneri	DEF AT 4
28128 /27895	DEF AT radiolarians	DEF AT 4
28129 /27896	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 4
28130 /27897	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 4
28160 /27923	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 4
28190 /27949	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 4
28400 /28132	DEF AT Lower (Early) Eocene	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 470	<b>Date of Summary:</b> 15-FEB-2010	<b>First Sample Examined:</b> 9210
<b>Lease Number:</b> G22360	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31520
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 30851
<b>API Well Number:</b> 608084001900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9210 - 30851	<b>Water Depth:</b> 6051
<b>Public Info Code:</b> Y 20-MAR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28520 /28236	DEF AT radiolarians	DEF AT 4
28549 /28261	DEF IN Middle Eocene (Lutetian) Discoaster Iodoensis	DEF AT 4
28550 /28262	POS AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT 4
28700 /28393	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT 4
28760 /28445	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT 4
29630 /29201	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 4
30590 /30039	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT 4
31250 /30615	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
31520 /30851	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

Area Block: KC 511	Date of Summary: 01-OCT-2002	First Sample Examined: 9450
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22377
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22363
API Well Number: 608084000400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9450 - 13350	Water Depth: 6115
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 12540=middle Eocene Helicosphaera heezenii, 12780=middle Eocene Neococcolithes dubius (NP16), nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9450	DEF AT first sample examined	DEF AT
9451 / 9451	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9510 / 9510	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9570 / 9570	DEF AT reworked material	DEF AT
9690 / 9690	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
9750 / 9750	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9930 / 9930	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
10050 /10050	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10110 /10110	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10170 /10170	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
10470 /10470	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10530 /10530	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10710 /10710	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10830 /10830	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10890 /10890	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
10950 /10950	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11010 /11010	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11130 /11130	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11190 /11190	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11250 /11250	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
11310 /11310	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 511	Date of Summary: 01-OCT-2002	First Sample Examined: 9450
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22377
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22363
API Well Number: 608084000400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9450 - 13350	Water Depth: 6115
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11430 /11430	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
11431 /11431	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
11490 /11490	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
11550 /11549	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
11720 /11719	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
11940 /11939	DEF IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
12210 /12209	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
12240 /12239	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
12241 /12240	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
12300 /12299	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
12480 /12479	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
12540 /12539	DEF IN Middle Eocene (Bartonian) Pemma balium	DEF AT
12780 /12779	DEF AT Middle Eocene (Bartonian) Pemma stradneri	DEF AT
12810 /12809	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
12960 /12959	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
13110 /13109	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
13290 /13288	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
13320 /13318	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
13350 /13348	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 511	Date of Summary: 01-MAR-2003	First Sample Examined: 9450
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22377
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22363
API Well Number: 608084000400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9450 - 13350	Water Depth: 6115
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 12960=Middle Eocene Hantkenina dumblei, 13170=Lower Eocene Clavigerinella jarvisi, Morozovella gracilis, and radiolarians, 13350=last sample above salt, the entire section above the salt is very condensed and very fossiliferous, containing a number of unconformities, the largest occurring at 11550, where the section goes from Middle Miocene to the Upper Oligocene

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9450	DEF AT first sample examined	DEF AT 5
9451 / 9451	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9750 / 9750	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9810 / 9810	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
10110 /10110	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10170 /10170	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
10290 /10290	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
10409 /10409	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
10410 /10410	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10470 /10470	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
10590 /10590	DEF AT faunal change (no faunal increase)	DEF AT 5
10890 /10890	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
11250 /11250	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
11549 /11548	DEF AT unconformity	DEF AT 5
11550 /11549	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
11790 /11789	DEF AT local marker benthic foram increase	DEF IN 6
11850 /11849	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 6
11880 /11879	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
12210 /12209	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 6
12330 /12329	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 511	Date of Summary: 01-MAR-2003	First Sample Examined: 9450
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22377
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22363
API Well Number: 608084000400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9450 - 13350	Water Depth: 6115
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12570 /12569	DEF IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
12870 /12869	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 6
12960 /12959	DEF AT local marker planktic foram increase	DEF IN 6
12989 /12988	DEF AT radiolarians	DEF IN 6
12990 /12989	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF IN 6
13080 /13079	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 6
13170 /13168	DEF AT radiolarians	DEF IN 6
13230 /13228	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 6
13290 /13288	DEF AT local marker foram decrease	DEF AT 6
13350 /13348	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 511	Date of Summary: 01-DEC-2002	First Sample Examined: 22320
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22547
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22533
API Well Number: 608084000401	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 22320 - 22547	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 /22306	DEF AT first sample examined	DEF AT 4
22321 /22307	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
22470 /22456	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22499 /22485	DEF AT reworked material	DEF AT 4
22500 /22486	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
22547 /22533	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 511	<b>Date of Summary:</b> 01-DEC-2002	<b>First Sample Examined:</b> 22290
<b>Lease Number:</b> G17632	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22547
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 22533
<b>API Well Number:</b> 608084000401	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22290 - 22547	<b>Water Depth:</b> 6120
<b>Public Info Code:</b> Y 31-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, see notes in original report for discussion of flora, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22290 /22276	DEF AT first sample examined	DEF AT
22291 /22277	DEF AT base of salt	DEF AT
22292 /22278	DEF AT out-of-place section	DEF AT
22320 /22306	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22350 /22336	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22380 /22366	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22439 /22425	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
22440 /22426	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22491 /22477	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22529 /22515	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22530 /22516	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 511	Date of Summary: 01-FEB-2003	First Sample Examined: 22322
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 30082
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30003
API Well Number: 608084000402	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 22322 - 30082	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, subsalt section, interpreted in four sections (see notes in report), 22800=lower Miocene Helicosphaera scissura, 24690=Lower Miocene Sphenolithus aff s heteromorphus, 27030=Helicosphaera bramlettei, 28080=Middle Eocene Helicosphaera heezeni with floral increase, 29610=Rupelian Reticulofenestra laevis, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22322 /22255	DEF AT first sample examined	DEF AT
22323 /22256	DEF AT out-of-place section	DEF AT
22324 /22257	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22350 /22283	DEF AT local marker floral increase	DEF AT
22410 /22342	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22440 /22372	DEF AT local marker floral increase	DEF AT
22530 /22461	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22560 /22491	DEF AT local marker floral increase	DEF AT
22740 /22670	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22800 /22730	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22980 /22910	DEF AT reworked material	DEF AT
23190 /23119	DEF AT local marker floral increase	DEF AT
23670 /23599	DEF AT reworked material	DEF AT
23820 /23749	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23880 /23809	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23940 /23869	DEF AT reworked material	DEF AT
24030 /23959	DEF AT reworked material	DEF AT
24090 /24019	DEF AT reworked material	DEF AT
24120 /24049	DEF IN Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
24210 /24139	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 511	Date of Summary: 01-FEB-2003	First Sample Examined: 22322
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 30082
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30003
API Well Number: 608084000402	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 22322 - 30082	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24270 /24199	DEF AT reworked material	DEF AT
24390 /24319	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24420 /24349	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24480 /24409	DEF AT reworked material	DEF AT
24690 /24618	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24750 /24678	DEF IN Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
24810 /24738	DEF AT reworked material	DEF AT
25140 /25068	DEF AT reworked material	DEF AT
25170 /25098	DEF AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF AT
25440 /25368	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
25650 /25578	DEF AT reworked material	DEF AT
25830 /25758	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
26160 /26088	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
26340 /26267	DEF AT local marker floral increase	DEF AT
26670 /26597	DEF IN Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
27030 /26957	POS AT Lower Oligocene Rupelian Stage	DEF AT 0
27180 /27107	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
27240 /27167	DEF AT local marker floral increase	DEF AT
27480 /27406	DEF AT floral flood	DEF AT
27510 /27436	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
27630 /27556	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
27660 /27586	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
27780 /27706	DEF AT local marker floral increase	DEF AT
28080 /28006	DEF AT Middle Eocene (Bartonian) Pemma stradneri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> KC 511	<b>Date of Summary:</b> 01-FEB-2003	<b>First Sample Examined:</b> 22322
<b>Lease Number:</b> G17632	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30082
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 30003
<b>API Well Number:</b> 608084000402	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22322 - 30082	<b>Water Depth:</b> 6120
<b>Public Info Code:</b> Y 31-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28200 /28126	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
28420 /28345	POS IN Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
28421 /28346	POS IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28530 /28455	DEF AT local marker floral increase	DEF AT
28560 /28485	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28590 /28515	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
28620 /28545	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
28680 /28605	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
28920 /28844	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT
29610 /29532	DEF AT local marker floral increase	DEF AT
29760 /29682	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
29790 /29712	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
30060 /29981	DEF IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
30082 /30003	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 511	Date of Summary: 01-FEB-2003	First Sample Examined: 22320
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 30082
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30003
API Well Number: 608084000402	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 22320 - 30082	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** 26220=top of Oligocene with first Tiptonina nodifera and an increase in Robulus chambersi, 26820=Upper Oligocene (Chattian) Globigerina angulisurensis, a large block of uppermost Upper Eocene noted between 27690 and 28740, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 /22253	DEF AT first sample examined	DEF AT 5
22321 /22254	POS IN gouge	DEF AT 5
22440 /22372	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
22620 /22551	DEF AT - - - - -	DEF AT 4
22800 /22730	DEF AT - - - - -	DEF AT 5
22860 /22790	DEF AT Arenaceous fauna (local marker)	DEF AT 5
22950 /22880	DEF AT local marker foram decrease	DEF AT 5
22980 /22910	POS AT local marker planktic foram increase	DEF AT 5
23130 /23059	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
23610 /23539	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
23700 /23629	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
24000 /23929	DEF AT local marker planktic foram increase	DEF AT 4
24150 /24079	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
24210 /24139	DEF AT local marker foram increase	DEF AT 6
24330 /24259	DEF AT drilling material	DEF AT 4
24630 /24558	DEF AT local marker planktic foram increase	DEF AT 4
24720 /24648	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
25380 /25308	POS AT deepwater facies Abbeville Iberia	DEF AT 5
25500 /25428	DEF AT - - - - -	DEF AT 4
25860 /25788	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 511  
Lease Number: G17632  
Well Name: 001  
API Well Number: 608084000402  
Paleo Report Num: 2 of 2  
Public Info Code: Y 31-OCT-2006

Date of Summary: 01-FEB-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: CONOCOPHILLIPS COMPANY  
Sample Range: 22320 - 30082  
Ecozone Eq MMS: Y

First Sample Examined: 22320  
Borehole MD: 30082  
Borehole TVD: 30003  
Rkb Elevation: 80  
Water Depth: 6120  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25919 /25847	DEF AT reworked material	DEF AT 4
25920 /25848	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
26220 /26147	DEF AT Oligocene	DEF AT 4
26310 /26237	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 4
26430 /26357	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 4
26820 /26747	DEF AT Lower Miocene (Aquitainian) Globigerina angulisuturalis	DEF AT 4
27510 /27436	DEF AT local marker planktic foram increase	DEF AT 5
27659 /27585	DEF AT condensed section	DEF AT 6
27660 /27586	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 6
27690 /27616	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
27780 /27706	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 6
27810 /27736	DEF AT local marker planktic foram increase	DEF AT 6
27930 /27856	DEF AT local marker planktic foram increase	DEF AT 6
28050 /27976	DEF IN Upper Eocene (Priabonian) Textularia dibollensis	DEF AT 6
28170 /28096	DEF AT local marker foram increase	DEF IN 6
28420 /28345	DEF AT local marker foram increase	DEF IN 6
28739 /28664	DEF AT local marker foram decrease	DEF AT 4
28860 /28784	DEF AT local marker foram increase	DEF AT 4
29190 /29113	DEF AT local marker foram increase	DEF AT 4
30082 /30003	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 01-OCT-2008	<b>First Sample Examined:</b> 9804
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 9804 - 19250	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Bass Prospect, suprasalt foram report, expanded section noted between 13850 and 14620, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9804 / 9804	DEF AT first sample examined	POS AT 6
9805 / 9805	DEF AT transported outer shelf facies	POS AT 6
10160 /10160	POS IN Middle Pleistocene (Ionian) Trimosina "A"	POS AT 6
10789 /10789	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
10790 /10790	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
11060 /11060	DEF AT transported outer shelf facies	POS AT 6
11418 /11418	DEF AT pyrite	DEF AT 6
11419 /11419	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
11420 /11420	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 6
11508 /11508	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 6
11509 /11509	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
11510 /11510	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
11599 /11599	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
11600 /11600	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
11780 /11780	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11869 /11869	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
11870 /11870	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
11960 /11960	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 6
12140 /12140	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
12408 /12408	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12409 /12409	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12410 /12410	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
12500 /12500	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
12590 /12590	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
12679 /12679	DEF AT transported shelf fauna	POS AT 6
12680 /12680	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
12860 /12860	DEF AT transported shelf fauna	POS AT 5
13040 /13040	DEF AT deepwater facies Harang	POS AT 5
13220 /13220	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
13310 /13310	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 5
13400 /13400	DEF AT local marker planktic foram increase	DEF AT 5
13490 /13490	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
13580 /13580	DEF AT local marker foram decrease	DEF AT 5
13850 /13850	DEF AT Lower Miocene (Aquitania) Globorotalia kugleri	DEF AT 6
14170 /14170	DEF AT Lower Miocene (Aquitania) Globigerina angulisuturalis	DEF IN 6
14439 /14439	DEF AT foram flood	DEF IN 6
14440 /14440	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 6
14620 /14620	DEF AT local marker planktic foram increase	DEF IN 6
15069 /15069	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 6
15070 /15070	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
15250 /15250	DEF AT radiolarians	DEF IN 6
15430 /15430	DEF AT Lower Oligocene (Rupelian) Anomalina bilateralis	DEF IN 6
15610 /15610	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 6
15700 /15700	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
15880 /15879	DEF AT local marker foram decrease	DEF IN 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 01-OCT-2008	<b>First Sample Examined:</b> 9804
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 9804 - 19250	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15969 /15968	DEF AT transported shelf fauna	POS AT 6
15970 /15969	DEF AT Lower Oligocene (Rupelian) Textularia warreni	DEF AT 6
16150 /16149	DEF AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 6
16420 /16419	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 6
16599 /16598	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF IN 6
16600 /16599	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 6
16779 /16778	DEF AT foram flood	DEF IN 6
16780 /16779	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 6
16870 /16869	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 7
17230 /17229	DEF AT - - - - -	DEF AT 6
17679 /17678	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
17680 /17679	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 6
18220 /18219	DEF AT reworked material	DEF IN 6
18489 /18488	DEF AT foram flood	DEF AT 7
18490 /18489	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 7
18579 /18578	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 7
18580 /18579	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 7
18670 /18669	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 7
18760 /18759	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 7
18820 /18819	DEF AT - - - - -	DEF IN 6
18909 /18908	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF IN 6
18910 /18909	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF IN 6
18970 /18969	DEF AT out-of-place section	DEF IN 6
19020 /19019	POS AT Upper Cretaceous Maastrichtian Stage	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 01-OCT-2008	<b>First Sample Examined:</b> 9804
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 9804 - 19250	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19038 /19037	DEF AT salt	DEF IN 6
19250 /19249	DEF AT last sample examined	DEF IN 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Bass Prospect, suprasalt calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9804 / 9804	DEF AT first sample examined	DEF AT
9805 / 9805	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9890 / 9890	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10159 /10159	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
10160 /10160	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10699 /10699	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
10700 /10700	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11239 /11239	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11240 /11240	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11417 /11417	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11418 /11418	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
11419 /11419	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11420 /11420	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11508 /11508	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
11509 /11509	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11510 /11510	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11599 /11599	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11600 /11600	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11689 /11689	DEF AT Lower Pliocene (Zanclian) Ceratolithus armatus	DEF AT
11690 /11690	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11780 /11780	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11868 /11868	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11869 /11869	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11870 /11870	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
11957 /11957	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11958 /11958	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11959 /11959	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11960 /11960	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12139 /12139	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
12140 /12140	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12230 /12230	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12320 /12320	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12407 /12407	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
12408 /12408	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12409 /12409	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
12410 /12410	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12500 /12500	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
12589 /12589	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
12590 /12590	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12680 /12680	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13310 /13310	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
13400 /13400	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
13490 /13490	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13578 /13578	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
13579 /13579	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
13580 /13580	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 01-OCT-2008	<b>First Sample Examined:</b> 9804
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 9804 - 19250	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14260 /14260	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
14440 /14440	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
14620 /14620	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
14890 /14890	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
15250 /15250	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
15340 /15340	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
15520 /15520	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
15790 /15789	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
16240 /16239	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
16509 /16508	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
16510 /16509	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
16958 /16957	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
16959 /16958	DEF AT Middle Eocene (Bartonian) Pemma stradneri	DEF AT
16960 /16959	DEF AT Middle Eocene (Bartonian) Pemma balium	DEF AT
18489 /18488	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
18490 /18489	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
18670 /18669	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
18760 /18759	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
18820 /18819	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
18850 /18849	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
18909 /18908	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
18910 /18909	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
18970 /18969	DEF AT out-of-place section	DEF AT
19190 /19189	DEF AT local marker floral increase	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 01-OCT-2008	<b>First Sample Examined:</b> 9804
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 9804 - 19250	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19250 /19249	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 02-JAN-2009	<b>First Sample Examined:</b> 21100
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 21100 - 29672	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Bass Prospect, subsalt foram report, debrite section encountered between 28650 and 29130, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21100 /21099	DEF AT first sample examined	POS AT 6
21101 /21100	DEF IN gouge	POS AT 6
21200 /21199	DEF AT local marker planktic foram increase	DEF AT 6
21350 /21349	DEF AT foram flood	DEF IN 6
21410 /21409	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF IN 6
21440 /21439	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF IN 6
21620 /21619	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
21649 /21648	DEF AT radiolarians	DEF IN 6
21650 /21649	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 6
21678 /21677	DEF AT radiolarians	DEF IN 6
21679 /21678	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 6
21680 /21679	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF IN 6
21709 /21708	DEF AT foram flood	DEF IN 6
21710 /21709	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF IN 6
21740 /21739	DEF AT foram flood	DEF IN 6
21950 /21949	DEF AT radiolarians	DEF IN 6
22010 /22009	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
22220 /22219	DEF AT radiolarians	DEF IN 6
22370 /22369	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 6
22400 /22399	DEF AT sample gap top	POS IN 6
22484 /22483	DEF AT sample gap bottom	DEF IN 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 596	Date of Summary: 02-JAN-2009	First Sample Examined: 21100
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 3 of 4	Sample Range: 21100 - 29672	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22485 /22484	DEF AT radiolarians	DEF IN 6
22600 /22599	DEF AT cement	DEF AT
22660 /22659	DEF AT pyrite	DEF AT
22690 /22689	DEF AT reworked material	DEF AT
22779 /22778	DEF AT pyrite	DEF AT
22780 /22779	DEF AT Bathysiphon fauna	DEF AT
22870 /22869	DEF AT Bathysiphon fauna	DEF AT
23140 /23139	DEF AT pyrite	DEF AT
23379 /23378	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT
23380 /23379	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT
23830 /23829	DEF AT pyrite	DEF AT
24000 /23999	DEF AT local marker planktic foram increase	POS AT
24030 /24029	DEF AT pyrite	DEF AT
24090 /24089	DEF AT Bathysiphon fauna	DEF AT
24150 /24149	DEF AT pyrite	DEF AT
24240 /24239	DEF AT Bathysiphon fauna	DEF AT
24470 /24469	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
24630 /24629	DEF AT pyrite	DEF AT
24690 /24689	DEF AT Bathysiphon fauna	DEF AT
25590 /25589	DEF AT Bathysiphon fauna	DEF AT
26820 /26819	DEF AT Bathysiphon fauna	DEF AT
27300 /27299	POS AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
27420 /27419	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
27450 /27449	DEF AT pyrite	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 02-JAN-2009	<b>First Sample Examined:</b> 21100
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 21100 - 29672	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27540 /27539	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT
27570 /27569	DEF AT reworked material	DEF AT
27630 /27629	DEF AT pyrite	DEF AT
27660 /27658	POS AT Lower Paleocene (Danian) Globoconusa daubjergensis	DEF AT
27990 /27985	DEF AT pyrite	DEF AT
28110 /28102	DEF AT Bathysiphon fauna	DEF AT
28440 /28422	DEF AT reworked material	DEF AT
28590 /28566	DEF AT radiolarians	DEF AT 4
28649 /28623	DEF AT limestone	DEF AT 4
28650 /28624	DEF AT local marker benthic foram increase	DEF AT 4
29130 /29086	DEF AT radiolarians	DEF AT 4
29160 /29115	DEF AT local marker benthic foram increase	DEF AT 4
29190 /29144	POS AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 4
29250 /29201	DEF AT local marker foram decrease	DEF AT 4
29672 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 02-JAN-2009	<b>First Sample Examined:</b> 21100
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 21100 - 29672	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Bass Prospect, subsalt calcareous nannofossil report, debrite section encountered between 28650 and 29130, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21100 /21099	DEF AT first sample examined	DEF AT
21101 /21100	DEF IN gouge	DEF AT
21350 /21349	POS IN Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
21620 /21619	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
21649 /21648	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
21650 /21649	DEF AT Middle Eocene (Bartonian) Pemma balium	DEF AT
21680 /21679	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
21950 /21949	DEF AT reworked material	DEF AT
22130 /22129	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
22190 /22189	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
22580 /22579	POS AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
23230 /23229	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
23260 /23259	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
24000 /23999	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
24870 /24869	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
24930 /24929	DEF AT reworked material	DEF AT
26850 /26849	DEF AT Upper Paleocene Selandian Stage	DEF AT
27840 /27837	DEF AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
28410 /28393	DEF AT reworked material	DEF AT
28647 /28621	DEF AT out-of-place section	DEF AT
28648 /28622	POS IN Upper Cretaceous (Maastrichtian) Micula prinsii (FAD)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 596	<b>Date of Summary:</b> 02-JAN-2009	<b>First Sample Examined:</b> 21100
<b>Lease Number:</b> G19600	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29663
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29599
<b>API Well Number:</b> 608084001300	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 21100 - 29672	<b>Water Depth:</b> 6397
<b>Public Info Code:</b> Y 22-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28649 /28623	POS IN Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
28650 /28624	POS IN Upper Cretaceous (Campanian) Aspidolithus parcus parcus	DEF AT
28709 /28680	POS IN Upper Cretaceous (Campanian) Eiffellithus eximius	DEF AT
28710 /28681	POS IN Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
29129 /29085	DEF AT Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
29130 /29086	DEF AT Upper Cretaceous (Campanian) Aspidolithus parcus parcus	DEF AT
29160 /29115	DEF AT Upper Cretaceous (Campanian) Lithastrinus grillii	DEF AT
29340 /29288	DEF AT Upper Cretaceous (Campanian) Marthasterites furcatus	DEF AT
29663 /29599	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 627	<b>Date of Summary:</b> 04-AUG-2014	<b>First Sample Examined:</b> 11795
<b>Lease Number:</b> G27740	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18988
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18988
<b>API Well Number:</b> 608084004500	<b>Drilling Operator:</b> FREEPORT MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11795 - 18950	<b>Water Depth:</b> 8746
<b>Public Info Code:</b> Y 22-FEB-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Tara Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11795 /11795	DEF AT first sample examined	DEF IN 5
11796 /11796	DEF IN reworked material	DEF IN 5
12060 /12060	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
12750 /12750	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
12810 /12810	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
13560 /13560	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
13590 /13590	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13649 /13649	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
13650 /13650	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
13740 /13740	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13770 /13770	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
14140 /14140	DEF AT reworked material	DEF IN 5
14530 /14530	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
15130 /15130	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
15220 /15220	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15250 /15250	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
15740 /15740	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
15828 /15828	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
15829 /15829	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
15830 /15830	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
15890 /15890	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 627  
Lease Number: G27740  
Well Name: 001  
API Well Number: 608084004500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 22-FEB-2016

Date of Summary: 04-AUG-2014  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: FREEPORT MCMORAN OIL & GAS LLC  
Sample Range: 11795 - 18950  
Ecozone Eq MMS: Y

First Sample Examined: 11795  
Borehole MD: 18988  
Borehole TVD: 18988  
Rkb Elevation: 81  
Water Depth: 8746  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15980 /15980	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
16040 /16040	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
16070 /16070	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF IN 5
16220 /16220	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
16280 /16280	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
16340 /16340	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
16820 /16820	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
16970 /16970	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
17000 /17000	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
17210 /17210	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
17560 /17560	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
17860 /17860	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
17920 /17920	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
18010 /18010	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
18080 /18080	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
18290 /18290	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
18379 /18379	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
18380 /18380	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
18408 /18408	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
18409 /18409	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
18410 /18410	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
18440 /18440	DEF AT local marker planktic foram increase	DEF IN 5
18470 /18470	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
18500 /18500	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 627	<b>Date of Summary:</b> 04-AUG-2014	<b>First Sample Examined:</b> 11795
<b>Lease Number:</b> G27740	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18988
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18988
<b>API Well Number:</b> 608084004500	<b>Drilling Operator:</b> FREEPORT MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11795 - 18950	<b>Water Depth:</b> 8746
<b>Public Info Code:</b> Y 22-FEB-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18860 /18860	POS AT local marker floral increase	DEF IN 5
18890 /18890	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
18950 /18950	DEF AT last sample examined	DEF IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 627	<b>Date of Summary:</b> 07-AUG-2014	<b>First Sample Examined:</b> 18314
<b>Lease Number:</b> G27740	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20796
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20784
<b>API Well Number:</b> 608084004501	<b>Drilling Operator:</b> FREEPORT MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18314 - 20797	<b>Water Depth:</b> 8746
<b>Public Info Code:</b> Y 22-FEB-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Tara Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10480 /10480	POS AT reworked material	DEF IN 5
18314 /18313	DEF AT first sample examined	DEF IN 5
18350 /18349	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
18408 /18406	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
18409 /18407	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
18410 /18408	DEF AT local marker planktic foram increase	DEF IN 5
18440 /18438	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
18500 /18497	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF IN 5
19130 /19119	POS AT floral flood	DEF IN 5
19700 /19687	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
20060 /20047	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
20090 /20077	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF IN 5
20120 /20107	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF IN 5
20150 /20137	POS AT local marker floral increase	DEF IN 5
20796 /20783	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 681	Date of Summary: 01-NOV-2004	First Sample Examined: 21610
Lease Number: G20949	Source of Paleo: OPERATOR	Borehole MD: 27575
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27553
API Well Number: 608084000500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 21610 - 27575	Water Depth: 6345
Public Info Code: Y 31-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Sardinia Prospect, company-integrated foram and nanno report, 24970=Middle Eocene Acarinina matthewsae LAD, 25030=Middle Eocene Reticulofenestra umbilica FAD, 27070=possible Late Paleocene Acarinina mckannai LAD, 27130=possible Late Paleocene Subbotina triloculinoides LAD, 27540=in Late Cretaceous Uniplanarius trifidus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21610 /21607	DEF AT first sample examined	POS AT 4
21665 /21662	DEF AT base of salt	POS AT 4
21670 /21667	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
21760 /21757	DEF AT faunal change (no faunal increase)	DEF IN 4
21940 /21937	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 4
22150 /22147	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 4
22360 /22357	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF IN 4
22420 /22417	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
22600 /22597	DEF AT faunal change (no faunal increase)	DEF AT 4
22660 /22657	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
22720 /22717	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
23109 /23106	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 4
23110 /23107	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
23410 /23407	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
23440 /23437	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
23530 /23527	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF IN 4
23590 /23587	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
23726 /23723	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 4
23727 /23724	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
23770 /23767	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 681	Date of Summary: 01-NOV-2004	First Sample Examined: 21610
Lease Number: G20949	Source of Paleo: OPERATOR	Borehole MD: 27575
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27553
API Well Number: 608084000500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 21610 - 27575	Water Depth: 6345
Public Info Code: Y 31-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23800 /23797	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 5
24400 /24397	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5
24430 /24427	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 5
24609 /24606	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 5
24610 /24607	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 5
24670 /24667	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 5
24760 /24757	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
24820 /24817	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF IN 5
24940 /24937	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF IN 5
24970 /24967	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 5
25030 /25027	DEF AT local marker floral increase	POS IN 6
25120 /25117	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	POS IN 6
25288 /25284	DEF IN Upper Paleocene (Thanetian) Discoaster diastypus	POS IN 6
27070 /27055	POS AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	POS IN 6
27130 /27114	POS AT Upper Paleocene (Thanetian) Planorotalites compressa	POS IN 6
27500 /27479	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	POS IN 6
27508 /27487	DEF IN Upper Cretaceous (Maastrichtian) Micula decussata	POS IN 6
27540 /27519	DEF IN Upper Cretaceous (Maastrichtian) Tetralithus trifidus	POS IN 6
27575 /27553	DEF AT last sample examined	POS IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 698	Date of Summary: 01-SEP-2012	First Sample Examined: 23400
Lease Number: G33343	Source of Paleo: OPERATOR	Borehole MD: 28621
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28279
API Well Number: 608084002600	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 23400 - 28621	Water Depth: 6313
Public Info Code: Y 28-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Bioko Prospect, 28060=Upper Paleocene (Thanetian) Rzehakina epigona, foram abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23400 /23338	DEF AT first sample examined	POS AT 5
23401 /23339	DEF IN salt	POS AT 5
23402 /23340	DEF IN gouge	POS AT 5
23550 /23481	POS IN Middle Miocene (Langhian) Amphistegina "B"	POS AT 5
23820 /23739	POS IN Upper Miocene (Tortonian) Bolivina thalmani	POS AT 5
23940 /23853	DEF IN gouge	POS AT 5
24000 /23911	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	POS AT 5
25229 /25084	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
25230 /25085	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
25290 /25142	DEF AT pyrite	DEF AT 5
25349 /25199	DEF AT local marker benthic foram increase	DEF AT 5
25350 /25200	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
25410 /25257	DEF AT local marker planktic foram increase	DEF AT 5
25500 /25343	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
25560 /25400	DEF AT local marker planktic foram increase	DEF AT 5
25590 /25428	DEF AT foram flood	DEF AT 6
25650 /25486	DEF AT - - - - -	DEF AT 5
25680 /25514	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
25710 /25543	DEF AT local marker planktic foram increase	DEF AT 5
25740 /25572	POS AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 5
26010 /25828	DEF AT - - - - -	POS AT 6
26040 /25857	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 698	Date of Summary: 01-SEP-2012	First Sample Examined: 23400
Lease Number: G33343	Source of Paleo: OPERATOR	Borehole MD: 28621
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28279
API Well Number: 608084002600	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 23400 - 28621	Water Depth: 6313
Public Info Code: Y 28-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26070 /25885	DEF AT - - - - -	DEF AT 5
26130 /25942	DEF AT reworked material	DEF AT 5
26159 /25970	DEF AT local marker benthic foram increase	POS AT 6
26160 /25971	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	POS AT 6
26220 /26027	DEF AT - - - - -	DEF AT 5
26250 /26056	DEF AT pyrite	DEF AT 5
26310 /26113	POS AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 5
26370 /26169	DEF AT local marker planktic foram increase	DEF AT 5
26460 /26254	DEF AT pyrite	DEF AT 5
26519 /26310	DEF AT local marker planktic foram increase	DEF AT 5
26520 /26310	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
26579 /26366	DEF AT radiolarians	DEF AT 5
26580 /26367	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
26610 /26395	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	POS AT 6
26640 /26424	DEF AT radiolarians	DEF IN 6
26700 /26480	DEF AT sand	DEF AT 6
26760 /26537	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 6
26790 /26565	DEF AT radiolarians	DEF IN 6
26820 /26593	DEF AT pyrite	DEF IN 6
26880 /26649	DEF AT faunal change (no faunal increase)	POS IN 6
27399 /27135	POS AT reworked material	DEF IN 6
27400 /27136	POS AT Lower Eocene (Ypresian) Morozovella acuta	DEF IN 6
27880 /27586	DEF AT pyrite	DEF IN 6
28060 /27754	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF IN 6

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 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 698  
 Lease Number: G33343  
 Well Name: 001  
 API Well Number: 608084002600  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 28-AUG-2014

Date of Summary: 01-SEP-2012  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: STATOIL GULF OF MEXICO LLC  
 Sample Range: 23400 - 28621  
 Ecozone Eq MMS: Y

First Sample Examined: 23400  
 Borehole MD: 28621  
 Borehole TVD: 28279  
 Rkb Elevation: 92  
 Water Depth: 6313  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28080 /27772	DEF AT pyrite	DEF IN 6
28360 /28034	DEF AT Bathysiphon fauna	DEF IN 6
28539 /28202	DEF AT pyrite	DEF IN 6
28540 /28203	DEF AT Bathysiphon fauna	DEF IN 6
28621 /28279	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 698	Date of Summary: 01-NOV-2012	First Sample Examined: 23410
Lease Number: G33343	Source of Paleo: OPERATOR	Borehole MD: 28621
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28279
API Well Number: 608084002600	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 23410 - 28620	Water Depth: 6313
Public Info Code: Y 28-AUG-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Bioko Prospect, paleo done by Varol Research and Statoil, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
23410 /23348	DEF AT first sample examined	DEF AT
23578 /23508	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23579 /23509	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
23580 /23510	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24030 /23939	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
24150 /24054	DEF AT Lower Miocene (Burdigalian) Discoaster druggi (increase)	DEF AT
25170 /25028	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
25230 /25085	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
25290 /25142	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
25350 /25200	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
25379 /25227	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
25380 /25228	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT
25470 /25314	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
25500 /25343	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
25560 /25400	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT
25590 /25428	DEF AT Upper Oligocene (Chattian) Bolivina mexicana	DEF AT
25980 /25800	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
26069 /25884	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
26070 /25885	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
26190 /25999	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT
26220 /26027	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 698	Date of Summary: 01-NOV-2012	First Sample Examined: 23410
Lease Number: G33343	Source of Paleo: OPERATOR	Borehole MD: 28621
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28279
API Well Number: 608084002600	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 23410 - 28620	Water Depth: 6313
Public Info Code: Y 28-AUG-2014	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26580 /26367	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
26609 /26394	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT
26610 /26395	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT
26638 /26422	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26639 /26423	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
26640 /26424	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT
26790 /26565	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
26819 /26592	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
26820 /26593	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
27330 /27070	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT
27430 /27164	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT
27460 /27192	DEF AT local marker floral decrease	DEF AT
27640 /27361	POS AT out-of-place section	DEF AT
28060 /27754	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
28079 /27772	DEF AT local marker floral decrease	DEF AT
28080 /27772	DEF IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
28620 /28278	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> KC 736	<b>Date of Summary:</b> 10-APR-2011	<b>First Sample Examined:</b> 21686
<b>Lease Number:</b> G22367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31545
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 30379
<b>API Well Number:</b> 608084002200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 21686 - 31545	<b>Water Depth:</b> 6750
<b>Public Info Code:</b> Y 26-APR-2016	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Moccasin Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21686 /21646	DEF AT first sample examined	DEF AT
21720 /21678	DEF IN Middle Miocene	DEF AT
21870 /21814	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21990 /21922	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
22080 /22001	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22260 /22159	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
22320 /22211	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22490 /22360	DEF AT local marker floral increase	DEF AT
22560 /22422	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22620 /22474	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
23280 /23053	DEF AT local marker floral decrease	DEF AT
23550 /23291	DEF AT local marker floral decrease	DEF AT
24240 /23898	DEF AT local marker floral increase	DEF AT
24529 /24152	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
24569 /24187	POS AT unconformity	DEF AT
24570 /24188	DEF AT local marker floral decrease	DEF AT
24810 /24399	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24840 /24426	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
25050 /24610	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
25290 /24821	DEF AT local marker floral increase	DEF AT
25410 /24927	DEF AT local marker floral increase	DEF AT
25440 /24953	DEF AT local marker floral decrease	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736  
 Lease Number: G22367  
 Well Name: 001  
 API Well Number: 608084002200  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 26-APR-2016

Date of Summary: 10-APR-2011  
 Source of Paleo: OPERATOR  
 Paleo Done By: BUGWARE, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 21686 - 31545  
 Ecozone Eq MMS: N

First Sample Examined: 21686  
 Borehole MD: 31545  
 Borehole TVD: 30379  
 Rkb Elevation: 92  
 Water Depth: 6750  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25710 /25190	DEF AT reworked material	DEF AT
25830 /25296	DEF AT local marker floral decrease	DEF AT
26340 /25744	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
26400 /25797	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
26460 /25850	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
26670 /26035	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
26760 /26114	DEF AT local marker floral increase	DEF AT
26790 /26140	DEF AT local marker floral increase	DEF AT
26879 /26218	POS AT out-of-place section	DEF AT
26880 /26219	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
26910 /26246	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
27180 /26483	DEF AT local marker floral increase	DEF AT
27330 /26615	DEF AT local marker floral increase	DEF AT
27450 /26721	DEF AT floral flood	DEF AT
27510 /26774	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
27570 /26827	DEF AT local marker floral increase	DEF AT
27660 /26906	DEF AT floral flood	DEF AT
27780 /27011	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
27930 /27143	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
28020 /27222	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
28110 /27301	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28140 /27328	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28170 /27354	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
28380 /27538	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736  
Lease Number: G22367  
Well Name: 001  
API Well Number: 608084002200  
Paleo Report Num: 1 of 2  
Public Info Code: Y 26-APR-2016

Date of Summary: 10-APR-2011  
Source of Paleo: OPERATOR  
Paleo Done By: BUGWARE, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 21686 - 31545  
Ecozone Eq MMS: N

First Sample Examined: 21686  
Borehole MD: 31545  
Borehole TVD: 30379  
Rkb Elevation: 92  
Water Depth: 6750  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28560 /27696	DEF AT local marker floral increase	DEF AT
28590 /27723	DEF AT local marker floral decrease	DEF AT
28620 /27749	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
28710 /27828	DEF AT local marker floral decrease	DEF AT
28770 /27881	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
28890 /27987	DEF IN Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
28980 /28066	DEF AT local marker floral decrease	DEF AT
29520 /28541	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
30050 /29012	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
30760 /29656	POS IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
31545 /30379	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736	Date of Summary: 23-MAY-2011	First Sample Examined: 21700
Lease Number: G22367	Source of Paleo: OPERATOR	Borehole MD: 31545
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30379
API Well Number: 608084002200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 21700 - 31540	Water Depth: 6750
Public Info Code: Y 26-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Moccasin Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21700 /21659	DEF AT first sample examined	DEF AT 6
21720 /21678	DEF AT out-of-place section	DEF AT 6
21780 /21733	DEF IN Middle Miocene	DEF AT 6
22350 /22238	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
22380 /22264	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
22410 /22290	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
22619 /22473	DEF AT foram flood	DEF AT 6
22620 /22474	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
22680 /22527	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 6
22860 /22685	DEF AT local marker benthic foram increase	DEF AT 6
23070 /22869	DEF AT local marker foram decrease	DEF AT 6
23730 /23449	DEF AT local marker foram increase	DEF AT 6
24300 /23951	DEF AT local marker planktic foram increase	DEF AT 6
25020 /24584	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
25050 /24610	DEF AT local marker foram decrease	DEF AT 6
25080 /24637	DEF AT pyrite	DEF AT 6
25440 /24953	DEF AT local white Arenaceous fauna	DEF AT 6
25620 /25111	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
26070 /25507	DEF AT local marker benthic foram increase	DEF AT 6
26820 /26166	DEF AT local marker benthic foram increase	DEF AT 6
26850 /26193	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 6
26880 /26219	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736	Date of Summary: 23-MAY-2011	First Sample Examined: 21700
Lease Number: G22367	Source of Paleo: OPERATOR	Borehole MD: 31545
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30379
API Well Number: 608084002200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 21700 - 31540	Water Depth: 6750
Public Info Code: Y 26-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27030 /26351	DEF AT local marker planktic foram increase	DEF AT 6
27659 /26905	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
27660 /26906	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
27810 /27038	DEF AT local marker planktic foram increase	DEF AT 6
28260 /27433	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
28320 /27486	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 6
28380 /27538	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
28440 /27591	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
28560 /27696	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 6
28620 /27749	DEF AT radiolarians	DEF AT 6
28680 /27802	DEF AT radiolarians	DEF AT 7
30380 /29310	POS AT Arenaceous fauna (local marker)	DEF AT 7
30530 /29446	DEF AT Arenaceous fauna (local marker)	DEF AT 7
31220 /30079	DEF AT Bathysiphon fauna	DEF AT 7
31540 /30374	DEF AT last sample examined	DEF AT 7

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736	Date of Summary: 15-JAN-2013	First Sample Examined: 10900
Lease Number: G22367	Source of Paleo: OPERATOR	Borehole MD: 15615
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15614
API Well Number: 608084002900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 10900 - 15610	Water Depth: 6537
Public Info Code: Y 26-APR-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Moccasin Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10900 /10900	DEF AT first sample examined	DEF AT
10901 /10901	DEF IN Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
10930 /10929	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
11170 /11169	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
11560 /11559	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
11710 /11709	DEF AT floral flood	DEF AT
13240 /13239	DEF AT floral flood	DEF AT
13480 /13479	DEF AT local marker floral decrease	DEF AT
13720 /13719	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
14050 /14049	DEF AT local marker floral increase	DEF AT
14110 /14109	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
14289 /14288	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
14290 /14289	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
15610 /15609	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736	Date of Summary: 01-FEB-2013	First Sample Examined: 10910
Lease Number: G22367	Source of Paleo: OPERATOR	Borehole MD: 15615
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15614
API Well Number: 608084002900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 10910 - 15610	Water Depth: 6537
Public Info Code: Y 26-APR-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Moccasin Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10910 /10910	DEF AT first sample examined	DEF AT 6
10911 /10911	DEF IN Upper Oligocene (Chattian) Bolivina mexicana	DEF AT 6
10930 /10929	DEF AT Bathysiphon fauna	DEF AT 6
11080 /11079	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 6
11440 /11439	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
11980 /11979	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
14470 /14469	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
15610 /15609	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> KC 736	<b>Date of Summary:</b> 09-APR-2013	<b>First Sample Examined:</b> 14050
<b>Lease Number:</b> G22367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21591
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 21586
<b>API Well Number:</b> 608084002901	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14050 - 21583	<b>Water Depth:</b> 6537
<b>Public Info Code:</b> Y 26-APR-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Moccasin Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14050 /14049	DEF AT first sample examined	DEF AT
14051 /14050	DEF IN Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
14140 /14139	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
14260 /14259	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
14440 /14439	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
14770 /14768	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
16930 /16925	POS AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT
17560 /17555	DEF AT floral flood	DEF AT
17620 /17615	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
17860 /17855	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT
17956 /17951	DEF AT local marker floral increase	DEF AT
18940 /18935	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
20710 /20705	DEF AT reworked material	DEF AT
21301 /21296	DEF IN salt	DEF AT
21460 /21455	POS IN Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
21583 /21578	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 736	<b>Date of Summary:</b> 14-MAY-2013	<b>First Sample Examined:</b> 14050
<b>Lease Number:</b> G22367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21591
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 21586
<b>API Well Number:</b> 608084002901	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14050 - 21583	<b>Water Depth:</b> 6537
<b>Public Info Code:</b> Y 26-APR-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Moccasin Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14050 /14049	DEF AT first sample examined	DEF AT 5
14051 /14050	DEF IN Upper Oligocene Chattian Stage	DEF AT 5
14170 /14169	DEF AT local marker planktic foram increase	DEF AT 5
14230 /14229	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
14260 /14259	DEF AT pyrite	DEF AT 5
14350 /14349	DEF AT Lower Oligocene (Rupelian) Nodosaria blanpiedi	DEF AT 5
14980 /14977	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
15400 /15396	DEF AT local marker planktic foram increase	DEF AT 5
15520 /15516	DEF AT pyrite	DEF AT 5
15910 /15906	DEF AT local marker planktic foram increase	DEF AT 5
17290 /17285	DEF AT local white Arenacous fauna	DEF AT 5
17620 /17615	DEF AT local marker benthic foram increase	DEF AT 5
17650 /17645	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
18730 /18725	DEF IN Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
19180 /19175	DEF AT local marker planktic foram increase	DEF AT 5
19360 /19355	DEF AT local marker planktic foram increase	DEF AT 5
19570 /19565	DEF AT Bathysiphon fauna	DEF AT 5
20020 /20015	DEF AT transported inner shelf facies	POS AT 5
20170 /20165	DEF AT local marker planktic foram increase	DEF AT 5
20260 /20255	DEF AT turbid water facies	POS AT 5
20470 /20465	DEF AT turbid water facies	POS AT 5
20590 /20585	DEF AT - - - - -	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 736	<b>Date of Summary:</b> 14-MAY-2013	<b>First Sample Examined:</b> 14050
<b>Lease Number:</b> G22367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21591
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 21586
<b>API Well Number:</b> 608084002901	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14050 - 21583	<b>Water Depth:</b> 6537
<b>Public Info Code:</b> Y 26-APR-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20710 /20705	DEF AT transported inner shelf facies	POS AT 5
20980 /20975	DEF AT pyrite	DEF AT 5
21010 /21005	DEF AT gypsum	DEF AT 5
21040 /21035	DEF IN salt	POS AT 5
21140 /21135	DEF IN Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	POS AT 5
21300 /21295	DEF AT turbid water facies	POS AT 5
21301 /21296	DEF AT Arenaceous fauna (local marker)	POS AT 5
21459 /21454	DEF IN Lower Eocene Ypresian Stage	DEF AT 5
21460 /21455	DEF AT radiolarians	DEF AT 5
21583 /21578	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736	Date of Summary: 08-JUN-2013	First Sample Examined: 20450
Lease Number: G22367	Source of Paleo: OPERATOR	Borehole MD: 21619
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 21613
API Well Number: 608084002902	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 20450 - 21440	Water Depth: 6537
Public Info Code: Y 26-APR-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Moccasin Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20450 /20445	DEF AT first sample examined	DEF AT
20451 /20446	DEF IN Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
20840 /20835	DEF AT local marker foram decrease	DEF AT
20870 /20865	POS AT reworked material	DEF AT
20990 /20984	POS AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
21020 /21014	POS AT reworked material	DEF AT
21290 /21284	POS IN Lower Miocene Burdigalian Stage	DEF AT
21410 /21404	POS AT reworked material	DEF AT
21440 /21434	DEF AT last sample examined	DEF AT
21530 /21524	DEF IN Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736	Date of Summary: 22-JUN-2013	First Sample Examined: 20450
Lease Number: G22367	Source of Paleo: OPERATOR	Borehole MD: 21619
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 21613
API Well Number: 608084002902	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 20450 - 21619	Water Depth: 6537
Public Info Code: Y 26-APR-2016	Ecozone Eq MMS:	Paleo ID: 001

Remark: Moccasin Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20450 /20445	DEF AT first sample examined	DEF AT 5
20451 /20446	DEF IN Lower Oligocene	DEF AT 5
20540 /20535	DEF AT pyrite	DEF AT 5
20719 /20714	DEF AT transported shelf fauna	POS AT 5
20720 /20715	DEF IN Lower Oligocene (Rupelian) Spiroplectamina mississippiensis	POS AT 5
20750 /20745	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
20960 /20954	DEF AT pyrite	DEF AT 5
20990 /20984	DEF AT gypsum	DEF AT 5
21050 /21044	DEF IN salt	POS AT 5
21259 /21253	DEF AT turbid water facies	POS AT 5
21260 /21254	DEF AT Arenaceous fauna (local marker)	POS AT 5
21320 /21314	DEF AT pyrite	DEF AT 5
21380 /21374	DEF AT turbid water facies	POS AT 5
21440 /21434	DEF AT sample gap top	POS AT 5
21529 /21523	DEF AT sample gap bottom	DEF AT 5
21530 /21524	DEF IN Middle Eocene Bartonian Stage	DEF AT 5
21559 /21553	DEF AT pyrite	DEF AT 5
21560 /21554	DEF AT Lower Eocene Ypresian Stage	DEF AT 5
21590 /21584	DEF AT radiolarians	DEF AT 5
21619 /21613	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 736	<b>Date of Summary:</b> 09-AUG-2013	<b>First Sample Examined:</b> 22295
<b>Lease Number:</b> G22367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31360
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 31354
<b>API Well Number:</b> 608084002903	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22295 - 31360	<b>Water Depth:</b> 6537
<b>Public Info Code:</b> Y 26-APR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Moccasin Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22295 /22290	DEF AT first sample examined	DEF AT 5
22296 /22291	DEF IN Lower (Early) Miocene	DEF AT 5
23480 /23475	DEF AT turbid water facies	POS AT 5
23570 /23565	DEF AT - - - - -	DEF AT 5
23690 /23685	DEF AT turbid water facies	POS AT 5
23720 /23715	DEF AT - - - - -	DEF AT 5
23750 /23745	DEF AT turbid water facies	POS AT 5
23900 /23895	DEF AT - - - - -	DEF AT 5
23930 /23925	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
24020 /24015	DEF AT turbid water facies	POS AT 5
24050 /24045	DEF AT - - - - -	DEF AT 5
24080 /24075	DEF AT turbid water facies	POS AT 5
24200 /24195	DEF AT - - - - -	DEF AT 5
24320 /24315	DEF AT turbid water facies	POS AT 5
24380 /24375	DEF AT - - - - -	DEF AT 5
24410 /24405	DEF AT turbid water facies	POS AT 5
24440 /24435	DEF AT local white Arenacous fauna	POS AT 5
24560 /24555	DEF AT - - - - -	DEF AT 5
24650 /24645	DEF AT turbid water facies	POS AT 5
24710 /24705	DEF AT - - - - -	DEF AT 5
24860 /24855	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
24980 /24975	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 736	<b>Date of Summary:</b> 09-AUG-2013	<b>First Sample Examined:</b> 22295
<b>Lease Number:</b> G22367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31360
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 31354
<b>API Well Number:</b> 608084002903	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 22295 - 31360	<b>Water Depth:</b> 6537
<b>Public Info Code:</b> Y 26-APR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25460 /25455	DEF AT local marker planktic foram increase	DEF AT 5
25760 /25755	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
26000 /25995	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
26210 /26205	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
27500 /27495	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
27560 /27555	DEF AT turbid water facies	POS AT 5
27590 /27585	DEF AT - - - - -	DEF AT 5
27650 /27645	DEF AT local marker planktic foram increase	DEF AT 5
27800 /27795	DEF AT turbid water facies	POS AT 5
27830 /27825	DEF AT - - - - -	DEF AT 5
28040 /28035	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
28220 /28215	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
28460 /28455	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
28550 /28545	DEF AT radiolarians	DEF AT 7
28747 /28742	POS AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT 7
28760 /28755	POS AT radiolarians	DEF AT 7
28940 /28935	DEF AT Bathysiphon fauna	DEF AT 7
29300 /29295	POS AT radiolarians	DEF AT 7
29780 /29775	DEF IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 7
30590 /30585	DEF AT Bathysiphon fauna	DEF AT 7
30680 /30675	POS AT radiolarians	DEF AT 7
31070 /31064	DEF AT Bathysiphon fauna	DEF AT 7
31130 /31124	POS AT radiolarians	DEF AT 7
31360 /31354	DEF AT last sample examined	DEF AT 7

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 736	Date of Summary: 25-NOV-2013	First Sample Examined: 22940
Lease Number: G22367	Source of Paleo: OPERATOR	Borehole MD: 31360
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 31354
API Well Number: 608084002903	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 22940 - 31360	Water Depth: 6537
Public Info Code: Y 26-APR-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Moccasin Prospect, calcareous nanofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22940 /22935	DEF AT first sample examined	DEF AT
22941 /22936	DEF IN base of salt	DEF AT
22942 /22937	DEF AT out-of-place section	DEF AT
23090 /23085	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23180 /23175	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23750 /23745	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
24230 /24225	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24590 /24585	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24830 /24825	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
25010 /25005	POS AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
25280 /25275	DEF IN Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
25730 /25725	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25910 /25905	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
26030 /26025	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
26269 /26264	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
26270 /26265	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
26450 /26445	POS AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
26690 /26685	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
26750 /26745	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
27470 /27465	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
27890 /27885	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
28070 /28065	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 736	<b>Date of Summary:</b> 25-NOV-2013	<b>First Sample Examined:</b> 22940
<b>Lease Number:</b> G22367	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31360
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 31354
<b>API Well Number:</b> 608084002903	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22940 - 31360	<b>Water Depth:</b> 6537
<b>Public Info Code:</b> Y 26-APR-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28098 /28093	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
28099 /28094	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28100 /28095	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
28430 /28425	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
28640 /28635	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
28670 /28665	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
28760 /28755	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT
28790 /28785	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
30260 /30255	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
30350 /30345	DEF IN Upper Paleocene (Thanetian) Ellipsolithus distichus	DEF AT
31360 /31354	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 774	Date of Summary: 01-MAY-2001	First Sample Examined: 9570
Lease Number: G21441	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26980
API Well Number: 608084000300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9570 - 27000	Water Depth: 6743
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Ponza Prospect, calcareous nannofossil report, 17190=Helicosphaera bramlettei, 18870=Hornibrookina teuriensis

MD / TVD	Paleo Top Description	Ecozone
9570 / 9570	DEF AT first sample examined	DEF AT
9571 / 9571	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10680 /10679	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10770 /10769	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10830 /10829	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11040 /11039	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11550 /11549	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13680 /13678	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13800 /13798	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14610 /14608	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14730 /14728	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15870 /15868	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15990 /15988	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16350 /16348	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16440 /16438	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16500 /16498	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16680 /16678	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16920 /16918	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17070 /17068	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
17130 /17128	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
17131 /17129	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
17190 /17188	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 774  
Lease Number: G21441  
Well Name: 001  
API Well Number: 608084000300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 14-MAR-2010

Date of Summary: 01-MAY-2001  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 9570 - 27000  
Ecozone Eq MMS:

First Sample Examined: 9570  
Borehole MD: 27000  
Borehole TVD: 26980  
Rkb Elevation: 91  
Water Depth: 6743  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17403 /17401	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
17550 /17547	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
17551 /17548	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
17670 /17667	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17730 /17727	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
18030 /18027	DEF IN Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
18180 /18177	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
18420 /18416	POS AT Lower Eocene (Ypresian) Tribraichius orthostylus	DEF AT
18480 /18476	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
18540 /18536	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
18870 /18865	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
18960 /18955	DEF AT Upper Cretaceous (Maastrichtian) Micula prinsii (FAD)	DEF AT
19200 /19195	DEF AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
19491 /19485	POS IN Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
19560 /19554	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19980 /19972	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20130 /20122	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20460 /20451	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20700 /20690	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21180 /21170	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21240 /21229	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21705 /21693	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21750 /21738	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21810 /21798	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 774	Date of Summary: 01-MAY-2001	First Sample Examined: 9570
Lease Number: G21441	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26980
API Well Number: 608084000300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9570 - 27000	Water Depth: 6743
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23700 /23684	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
24420 /24403	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25050 /25033	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
25440 /25423	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
25740 /25723	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25980 /25962	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
26700 /26681	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
26970 /26950	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
27000 /26980	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 919	Date of Summary: 15-JUN-2005	First Sample Examined: 17400
Lease Number: G21447	Source of Paleo: OPERATOR	Borehole MD: 27975
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27973
API Well Number: 608084000600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17400 - 27975	Water Depth: 7316
Public Info Code: Y 13-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Hadrian Prospect, company-integrated foraminiferal, coccolith and palynologic report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17400 /17399	DEF AT first sample examined	DEF AT 6
17401 /17400	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
18240 /18239	POS AT out-of-place section	DEF AT 6
18389 /18388	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
18390 /18389	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
19130 /19129	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
19210 /19209	DEF AT - - - - -	DEF IN 5
20570 /20569	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
20690 /20689	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
20780 /20779	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
20840 /20839	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
20900 /20899	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 6
20930 /20929	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
20990 /20989	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
21060 /21059	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
21180 /21179	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
21210 /21209	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 6
21330 /21329	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
21450 /21449	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
21510 /21509	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
21539 /21538	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
21540 /21539	DEF AT Middle Miocene (Langhian) Globigerinoides sicanius	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 919	<b>Date of Summary:</b> 15-JUN-2005	<b>First Sample Examined:</b> 17400
<b>Lease Number:</b> G21447	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27975
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27973
<b>API Well Number:</b> 608084000600	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17400 - 27975	<b>Water Depth:</b> 7316
<b>Public Info Code:</b> Y 13-JAN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21570 /21569	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
21600 /21599	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
21660 /21659	DEF AT local marker floral increase	DEF AT 6
21690 /21689	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 6
21960 /21959	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
22168 /22167	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT 6
22169 /22168	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 6
22170 /22169	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT 6
22500 /22499	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
22770 /22769	DEF IN Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
22830 /22829	DEF AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT 6
22890 /22889	DEF AT local marker floral increase	DEF AT 6
22919 /22918	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT 6
22920 /22919	DEF AT Lower Miocene (Aquitania) Globorotalia kugleri	DEF AT 6
23039 /23038	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 6
23040 /23039	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 6
23070 /23069	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 6
23279 /23278	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
23280 /23279	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 6
23490 /23489	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 6
23519 /23518	DEF AT reworked material	DEF AT 6
23520 /23519	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
23610 /23609	DEF AT local marker floral increase	DEF AT 6
23700 /23699	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 919	Date of Summary: 15-JUN-2005	First Sample Examined: 17400
Lease Number: G21447	Source of Paleo: OPERATOR	Borehole MD: 27975
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27973
API Well Number: 608084000600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17400 - 27975	Water Depth: 7316
Public Info Code: Y 13-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23750 /23749	DEF AT - - - - -	POS AT 6
23910 /23908	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	POS AT 6
23940 /23938	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	POS AT 6
24210 /24208	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	POS AT 6
24270 /24268	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	POS AT 6
24300 /24298	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	POS AT 6
24359 /24357	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF IN 4
24360 /24358	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 4
24420 /24418	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 4
24450 /24448	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 4
24570 /24568	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 4
24600 /24598	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF IN 4
24630 /24628	DEF AT Middle Eocene (Bartonian) Pemma stradneri	DEF IN 4
24659 /24657	DEF AT radiolarians	DEF IN 4
24660 /24658	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF IN 4
24689 /24687	DEF IN Middle Eocene (Bartonian) Chiasmolithus solitus	DEF IN 4
24690 /24688	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 4
24749 /24747	DEF AT local marker floral increase	DEF IN 4
24750 /24748	DEF AT Middle Eocene (Lutetian) Cyclammina caneriverensis	DEF IN 4
24840 /24838	DEF AT radiolarians	DEF IN 4
24870 /24868	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF IN 4
25469 /25467	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 4
25470 /25468	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF IN 4
25732 /25730	DEF AT Bathysiphon fauna	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 919	Date of Summary: 15-JUN-2005	First Sample Examined: 17400
Lease Number: G21447	Source of Paleo: OPERATOR	Borehole MD: 27975
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27973
API Well Number: 608084000600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17400 - 27975	Water Depth: 7316
Public Info Code: Y 13-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26130 /26128	DEF AT Bathysiphon fauna	DEF IN 4
27060 /27058	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF IN 4
27510 /27508	DEF AT Bathysiphon fauna	DEF IN 4
27928 /27926	DEF AT local marker foram decrease	POS IN 4
27929 /27927	DEF AT local marker floral increase	POS IN 4
27930 /27928	POS AT Upper Cretaceous (Santonian) Eprolithus floralis	POS IN 4
27975 /27973	DEF AT last sample examined	POS IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> KC 953	<b>Date of Summary:</b> 01-NOV-2013	<b>First Sample Examined:</b> 16900
<b>Lease Number:</b> G27770	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19891
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19891
<b>API Well Number:</b> 608084004200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16900 - 19890	<b>Water Depth:</b> 7030
<b>Public Info Code:</b> Y 19-MAY-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16900 /16900	DEF AT first sample examined	DEF AT
16901 /16901	DEF IN out-of-place section	DEF AT
17140 /17140	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17620 /17620	DEF AT reworked material	DEF AT
17680 /17680	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18190 /18190	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
18279 /18279	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18280 /18280	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18670 /18670	DEF AT reworked material	DEF AT
18819 /18819	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
18820 /18820	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19000 /19000	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
19120 /19120	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19420 /19420	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19539 /19539	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19540 /19540	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19659 /19659	DEF AT local marker floral increase	DEF AT
19660 /19660	POS AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
19890 /19890	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> KC 953	<b>Date of Summary:</b> 12-DEC-2013	<b>First Sample Examined:</b> 16900
<b>Lease Number:</b> G27770	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19891
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19891
<b>API Well Number:</b> 608084004200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16900 - 19890	<b>Water Depth:</b> 7030
<b>Public Info Code:</b> Y 19-MAY-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16900 /16900	DEF AT first sample examined	DEF AT 6
16901 /16901	DEF IN out-of-place section	DEF AT 6
17050 /17050	DEF AT pyrite	DEF AT 6
17110 /17110	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
17170 /17170	DEF AT pyrite	DEF AT 6
17200 /17200	DEF AT local marker planktic foram increase	DEF AT 6
17260 /17260	POS IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
17280 /17280	DEF AT cement	DEF AT 6
17350 /17350	DEF AT pyrite	DEF AT 6
18250 /18250	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
18340 /18340	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
18520 /18520	POS AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 6
18550 /18550	DEF AT local marker foram decrease	DEF AT 6
18730 /18730	DEF AT pyrite	DEF AT 6
18790 /18790	DEF AT pyrite	DEF AT 6
19090 /19090	DEF AT pyrite	DEF AT 6
19150 /19150	POS AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 6
19210 /19210	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 6
19690 /19690	DEF AT local marker foram increase	DEF AT 6
19890 /19890	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: KC 964	Date of Summary: 29-DEC-2009	First Sample Examined: 13636
Lease Number: G21450	Source of Paleo: OPERATOR	Borehole MD: 19190
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17916
API Well Number: 608084001401	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 13636 - 19190	Water Depth: 7353
Public Info Code: Y 17-NOV-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, mixed floral assemblages of Plio-Pleistocene, Miocene, Oligocene and very rare Late Eocene were noted over the entire interval examined from 13636' to 19190' indicating displaced flora, true age determination over this interval is questionable especially with the significant amount of Plio-Pleistocene fauna, which may or may not be in place, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13636 /13593	DEF AT first sample examined	DEF IN 6
13660 /13615	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 6
13990 /13910	POS AT maximum flooding surface	DEF IN 6
14260 /14134	POS AT maximum flooding surface	DEF IN 6
15518 /15068	POS AT maximum flooding surface	DEF IN 6
15519 /15069	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 6
15520 /15069	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 6
15580 /15114	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 6
16270 /15624	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 6
16690 /15934	POS AT maximum flooding surface	DEF IN 6
17530 /16595	POS AT unconformity	DEF IN 6
17560 /16619	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 6
17770 /16787	POS AT maximum flooding surface	DEF IN 6
17800 /16810	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
18070 /17025	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 6
18130 /17073	POS AT unconformity	DEF IN 6
18189 /17120	POS AT fault	DEF IN 6
18190 /17121	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 6
19190 /17916	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 2	Date of Summary: 20-JAN-2005	First Sample Examined: 13630
Lease Number: G10486	Source of Paleo: OPERATOR	Borehole MD: 17492
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15980
API Well Number: 608244000401	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13630 - 17493	Water Depth: 8340
Public Info Code: Y 24-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 /13548	DEF AT first sample examined	DEF AT
13650 /13566	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13710 /13622	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14250 /14103	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14550 /14340	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14640 /14408	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14730 /14475	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15840 /15129	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16470 /15453	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17493 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 2	<b>Date of Summary:</b> 24-JAN-2005	<b>First Sample Examined:</b> 13630
<b>Lease Number:</b> G10486	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17492
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15980
<b>API Well Number:</b> 608244000401	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13630 - 17493	<b>Water Depth:</b> 8340
<b>Public Info Code:</b> Y 24-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 /13548	DEF AT first sample examined	DEF AT 6
13740 /13650	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
13770 /13678	DEF AT - - - - -	DEF AT 5
14550 /14340	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 5
14880 /14586	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
14970 /14649	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15780 /15098	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16860 /15654	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16980 /15716	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
17493 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 2	Date of Summary: 05-JAN-2005	First Sample Examined: 11599
Lease Number: G10487	Source of Paleo: OPERATOR	Borehole MD: 16236
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16101
API Well Number: 608244000400	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 11599 - 16236	Water Depth: 8362
Public Info Code: Y 26-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11599 /11599	DEF AT first sample examined	DEF AT 5
11690 /11690	DEF AT -----	DEF IN 5
11870 /11870	DEF AT -----	DEF AT 5
12770 /12756	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12800 /12784	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12920 /12898	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13010 /12981	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
13100 /13064	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
13160 /13119	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13310 /13256	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13580 /13502	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13610 /13529	DEF AT -----	DEF IN 5
13670 /13584	DEF AT -----	DEF AT 5
14660 /14529	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15610 /15475	DEF AT -----	DEF AT 4
15830 /15695	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
16070 /15935	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
16236 /16101	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 2	Date of Summary: 24-JAN-2005	First Sample Examined: 11599
Lease Number: G10487	Source of Paleo: OPERATOR	Borehole MD: 16236
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16101
API Well Number: 608244000400	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 11599 - 16236	Water Depth: 8362
Public Info Code: Y 26-JAN-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11599 /11599	DEF AT first sample examined	DEF AT
11690 /11690	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12200 /12199	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12350 /12348	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12830 /12813	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13040 /13009	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13340 /13283	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13430 /13365	DEF AT Upper Miocene (Messinian) Discoaster quinquenarius	DEF AT
13640 /13557	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13670 /13584	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13700 /13612	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14150 /14033	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14390 /14264	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14540 /14411	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
14600 /14469	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14690 /14558	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15140 /15005	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15469 /15334	POS AT reworked material	DEF AT
15470 /15335	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16236 /16101	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 5	<b>Date of Summary:</b> 04-MAR-2004	<b>First Sample Examined:</b> 12075
<b>Lease Number:</b> G23450	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16769
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16768
<b>API Well Number:</b> 608244000200	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12075 - 16769	<b>Water Depth:</b> 8807
<b>Public Info Code:</b> Y 19-JUN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12075 /12075	DEF AT first sample examined	DEF AT 5
13540 /13539	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
13630 /13629	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14080 /14079	DEF AT faunal change (no faunal increase)	DEF AT 6
14710 /14709	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
15580 /15579	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15890 /15889	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16769 /16768	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 5	Date of Summary: 04-MAR-2004	First Sample Examined: 12075
Lease Number: G23450	Source of Paleo: OPERATOR	Borehole MD: 16769
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16768
API Well Number: 608244000200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 12075 - 16769	Water Depth: 8807
Public Info Code: Y 19-JUN-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12075 /12075	DEF AT first sample examined	DEF AT
12190 /12190	DEF AT out-of-place section	DEF AT
13540 /13539	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13630 /13629	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13990 /13989	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14080 /14079	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14260 /14259	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14350 /14349	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14440 /14439	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14800 /14799	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15160 /15159	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15330 /15329	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15460 /15459	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15640 /15639	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15890 /15889	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16030 /16029	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
16769 /16768	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 47	Date of Summary: 15-MAR-2005	First Sample Examined: 12170
Lease Number: G23455	Source of Paleo: OPERATOR	Borehole MD: 14650
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14649
API Well Number: 608244000500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 12170 - 14650	Water Depth: 8572
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12170 /12170	DEF AT first sample examined	DEF AT 5
13250 /13249	DEF AT out-of-place section	DEF AT 5
13369 /13368	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13370 /13369	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13610 /13609	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
13670 /13669	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13910 /13909	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14300 /14299	DEF AT -----	DEF AT 5
14570 /14569	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
14650 /14649	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> LL 47	<b>Date of Summary:</b> 15-MAR-2005	<b>First Sample Examined:</b> 12170
<b>Lease Number:</b> G23455	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14650
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14649
<b>API Well Number:</b> 608244000500	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12170 - 14650	<b>Water Depth:</b> 8572
<b>Public Info Code:</b> Y 22-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12170 /12170	DEF AT first sample examined	DEF AT
12710 /12709	DEF AT out-of-place section	DEF AT
12950 /12949	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13100 /13099	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13220 /13219	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13400 /13399	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13490 /13489	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13700 /13699	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13790 /13789	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13970 /13969	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
14149 /14148	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14150 /14149	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14379 /14378	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14539 /14538	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14540 /14539	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14570 /14569	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14650 /14649	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> LL 50	<b>Date of Summary:</b> 03-JUL-2003	<b>First Sample Examined:</b> 12200
<b>Lease Number:</b> G23458	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19828
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18962
<b>API Well Number:</b> 608244000100	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12200 - 19828	<b>Water Depth:</b> 8934
<b>Public Info Code:</b> Y 19-JUN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12200 /12200	DEF AT first sample examined	DEF AT
12920 /12920	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13130 /13130	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13220 /13220	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13880 /13880	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14090 /14090	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14120 /14120	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14240 /14240	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14600 /14600	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14930 /14930	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14990 /14990	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15230 /15230	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15260 /15260	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15350 /15349	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15500 /15498	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15800 /15791	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16220 /16180	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16310 /16256	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17120 /16888	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18200 /17719	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
19250 /18514	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19370 /18607	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 50	<b>Date of Summary:</b> 03-JUL-2003	<b>First Sample Examined:</b> 12200
<b>Lease Number:</b> G23458	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19828
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18962
<b>API Well Number:</b> 608244000100	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12200 - 19828	<b>Water Depth:</b> 8934
<b>Public Info Code:</b> Y 19-JUN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19400 /18630	DEF AT out-of-place section	DEF AT
19828 /18962	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 50	Date of Summary: 08-JUL-2003	First Sample Examined: 12200
Lease Number: G23458	Source of Paleo: OPERATOR	Borehole MD: 19828
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18962
API Well Number: 608244000100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 12200 - 19828	Water Depth: 8934
Public Info Code: Y 19-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12200 /12200	DEF AT first sample examined	DEF AT 5
12680 /12680	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "A")	DEF AT 5
13009 /13009	POS AT unconformity	DEF AT 5
13010 /13010	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13040 /13040	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13820 /13820	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13880 /13880	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13910 /13910	DEF AT faunal change (no faunal increase)	DEF IN 5
14090 /14090	DEF AT faunal change (no faunal increase)	POS AT 6
14210 /14210	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14600 /14600	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
14870 /14870	DEF AT faunal change (no faunal increase)	DEF AT 5
15320 /15320	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15500 /15498	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15590 /15586	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15770 /15762	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16550 /16449	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17090 /16865	DEF AT faunal change (no faunal increase)	DEF AT 6
17120 /16888	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
17600 /17257	DEF AT faunal change (no faunal increase)	DEF AT 5
18170 /17696	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
19340 /18583	DEF AT faunal change (no faunal increase)	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 50	<b>Date of Summary:</b> 08-JUL-2003	<b>First Sample Examined:</b> 12200
<b>Lease Number:</b> G23458	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19828
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18962
<b>API Well Number:</b> 608244000100	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12200 - 19828	<b>Water Depth:</b> 8934
<b>Public Info Code:</b> Y 19-JUN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19400 /18630	DEF AT out-of-place section	DEF AT 6
19430 /18653	DEF AT faunal change (no faunal increase)	DEF AT 5
19828 /18962	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 50	<b>Date of Summary:</b> 15-MAR-2005	<b>First Sample Examined:</b> 14880
<b>Lease Number:</b> G23458	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16132
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16132
<b>API Well Number:</b> 608244000101	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14880 - 16132	<b>Water Depth:</b> 8953
<b>Public Info Code:</b> Y 19-JUN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14880 /14880	DEF AT first sample examined	DEF AT 5
14940 /14940	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15210 /15209	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15510 /15509	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15750 /15749	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15990 /15989	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16132 /16131	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 50	<b>Date of Summary:</b> 15-MAR-2005	<b>First Sample Examined:</b> 14880
<b>Lease Number:</b> G23458	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16132
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16132
<b>API Well Number:</b> 608244000101	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14880 - 16132	<b>Water Depth:</b> 8953
<b>Public Info Code:</b> Y 19-JUN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14880 /14880	DEF AT first sample examined	DEF AT
14881 /14881	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14910 /14910	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14940 /14940	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15210 /15209	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
15240 /15239	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15510 /15509	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15630 /15629	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15990 /15989	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16132 /16131	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 268	Date of Summary: 20-AUG-2008	First Sample Examined: 11978
Lease Number: G10492	Source of Paleo: OPERATOR	Borehole MD: 15930
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15929
API Well Number: 608244000900	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U:	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 11978 - 15930	Water Depth: 8816
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11978 /11978	DEF AT first sample examined	DEF AT 5
12540 /12540	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
12570 /12570	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13319 /13319	POS AT maximum flooding surface	DEF AT 5
13320 /13320	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13347 /13347	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
13348 /13348	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
13349 /13349	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
13350 /13350	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13374 /13374	POS AT maximum flooding surface	DEF IN 5
13376 /13376	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
13377 /13377	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
13378 /13378	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
13379 /13379	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
13380 /13380	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
13440 /13440	DEF AT -----	DEF AT 5
13980 /13980	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
14700 /14700	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14908 /14908	POS AT maximum flooding surface	DEF AT 5
14909 /14909	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
14910 /14910	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15029 /15029	POS AT maximum flooding surface	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 268	Date of Summary: 20-AUG-2008	First Sample Examined: 11978
Lease Number: G10492	Source of Paleo: OPERATOR	Borehole MD: 15930
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15929
API Well Number: 608244000900	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 11978 - 15930	Water Depth: 8816
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15030 /15030	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
15060 /15060	DEF AT unconformity	DEF AT 6
15088 /15088	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
15089 /15089	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
15090 /15090	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
15210 /15210	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
15270 /15270	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
15300 /15300	DEF AT - - - - -	DEF AT 5
15570 /15570	POS IN Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 5
15628 /15628	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
15629 /15629	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
15630 /15630	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
15690 /15690	POS AT maximum flooding surface	DEF AT 5
15780 /15780	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15809 /15809	POS AT maximum flooding surface	DEF AT 5
15810 /15810	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
15899 /15898	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
15900 /15899	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15930 /15929	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 360	Date of Summary: 21-MAY-2003	First Sample Examined: 12220
Lease Number: G23479	Source of Paleo: OPERATOR	Borehole MD: 20950
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20937
API Well Number: 608244000000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 12220 - 20950	Water Depth: 9101
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: Interim calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12220 /12220	DEF AT first sample examined	DEF AT
12400 /12400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14110 /14109	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14170 /14169	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14350 /14349	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15370 /15367	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15520 /15517	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15580 /15577	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15610 /15607	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15640 /15637	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15760 /15756	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15880 /15876	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15910 /15906	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16060 /16056	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16240 /16236	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16600 /16595	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16690 /16685	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16930 /16924	DEF AT Upper Miocene (Messinian) Discoaster toralus	DEF AT
17050 /17044	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18010 /18002	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18030 /18022	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18640 /18631	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 360	<b>Date of Summary:</b> 21-MAY-2003	<b>First Sample Examined:</b> 12220
<b>Lease Number:</b> G23479	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20950
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20937
<b>API Well Number:</b> 608244000000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12220 - 20950	<b>Water Depth:</b> 9101
<b>Public Info Code:</b> Y 22-MAY-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18940 /18930	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19210 /19199	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19630 /19619	DEF AT out-of-place section	DEF AT
20620 /20607	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
20950 /20937	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399	Date of Summary: 20-AUG-2004	First Sample Examined: 12446
Lease Number: G23480	Source of Paleo: OPERATOR	Borehole MD: 17818
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 17817
API Well Number: 608244000300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 12446 - 17818	Water Depth: 8951
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 001

Remark: Cheyenne Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12446 /12446	DEF AT first sample examined	DEF AT
12739 /12739	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13100 /13100	POS AT reworked material	DEF AT
13780 /13780	POS AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
13810 /13810	DEF AT local marker floral decrease	DEF AT
14260 /14260	POS AT local marker floral increase	DEF AT
14290 /14290	POS AT local marker floral decrease	DEF AT
14349 /14349	DEF AT reworked material	DEF AT
14350 /14350	DEF AT local marker floral increase	DEF AT
14650 /14650	POS IN Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
14740 /14740	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
14860 /14860	DEF AT local marker floral decrease	DEF AT
15160 /15160	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
15490 /15490	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15879 /15879	DEF AT unconformity	DEF AT
15880 /15880	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15969 /15969	DEF AT floral flood	DEF AT
15970 /15970	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16090 /16090	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16300 /16300	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16389 /16389	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16390 /16390	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 20-AUG-2004	<b>First Sample Examined:</b> 12446
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17818
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 17817
<b>API Well Number:</b> 608244000300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12446 - 17818	<b>Water Depth:</b> 8951
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16810 /16809	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16990 /16989	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17050 /17049	DEF AT reworked material	DEF AT
17230 /17229	DEF AT Upper Miocene (Tortonian) Reticulofenestra pseudoumbilica "C"	DEF AT
17350 /17349	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17500 /17499	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17818 /17817	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 31-AUG-2004	<b>First Sample Examined:</b> 14950
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17818
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17817
<b>API Well Number:</b> 608244000300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14950 - 17818	<b>Water Depth:</b> 8951
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Cheyenne Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14950 /14950	DEF AT first sample examined	DEF AT
15010 /15010	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
15130 /15130	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
15910 /15910	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
15940 /15940	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
16239 /16239	POS AT sequence boundary	DEF AT
16240 /16240	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
16300 /16300	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
16360 /16360	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
16810 /16809	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT
17818 /17817	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 31-AUG-2004	<b>First Sample Examined:</b> 16550
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23392
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23392
<b>API Well Number:</b> 608244000301	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 16550 - 23391	<b>Water Depth:</b> 8951
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Cheyenne Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16550 /16550	DEF AT first sample examined	DEF AT
16900 /16899	POS AT Upper Miocene (Tortonian) <i>Catinaster mexicanus</i>	DEF AT
16990 /16989	DEF AT Upper Miocene (Tortonian) <i>Minylitha convallis</i>	DEF AT
17890 /17888	DEF IN Upper Miocene (Messinian) <i>Discoaster berggrenii "A"</i>	DEF AT
17920 /17918	POS AT Upper Miocene (Tortonian) <i>Uvigerina 3</i>	DEF AT
17950 /17948	DEF AT reworked material	DEF AT
18130 /18128	POS IN Upper Miocene (Tortonian) <i>Uvigerina 3</i>	DEF AT
18220 /18218	DEF AT reworked material	DEF AT
18400 /18398	POS AT Middle Miocene (Serravallian) <i>Globorotalia fohsi fohsi</i>	DEF AT
18970 /18968	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi praefohsi</i>	DEF AT
20030 /20028	POS IN Middle Miocene (Langhian) <i>Cristellaria / Robulus 53</i>	DEF AT
20140 /20138	DEF AT reworked material	DEF AT
20530 /20528	DEF AT Middle Miocene (Langhian) <i>Globigerinatella insueta</i>	DEF AT
21100 /21098	DEF AT Lower Miocene (Burdigalian) <i>Catapsydrax dissimilis</i>	DEF AT
21130 /21128	DEF AT reworked material	DEF AT
21160 /21158	DEF AT Lower Miocene (Aquitanean) <i>Globorotalia kugleri</i>	DEF AT
21248 /21246	DEF AT reworked material	DEF AT
21710 /21708	DEF IN Lower Miocene (Burdigalian) <i>Triquetrorhabdulus carinatus</i>	DEF AT
21810 /21808	POS IN Upper Oligocene (Chatthian) <i>Heterostegina texana</i>	DEF AT
21910 /21908	DEF IN Oligocene Frio Formation/Provincial Stage	DEF AT
21950 /21948	DEF AT Lower Oligocene (Rupelian) <i>Helicosphaera compacta</i>	DEF AT
22000 /21998	DEF AT reworked material	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 31-AUG-2004	<b>First Sample Examined:</b> 16550
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23392
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23392
<b>API Well Number:</b> 608244000301	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 16550 - 23391	<b>Water Depth:</b> 8951
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22150 /22148	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
22190 /22188	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
22230 /22228	DEF IN Middle Eocene Bartonian Stage	DEF AT
22290 /22288	DEF AT radiolarians	DEF AT
22330 /22328	DEF AT radiolarians	DEF AT
22350 /22348	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT
22430 /22428	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
22590 /22588	POS IN Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
22650 /22648	POS AT Upper Cretaceous Campanian Stage	DEF AT
22670 /22668	DEF IN Upper Cretaceous Campanian Stage	DEF AT
22710 /22708	DEF AT Upper Cretaceous (Turonian) Dicarinella hagni	DEF AT
22750 /22748	DEF AT Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF AT
22870 /22868	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT
23090 /23088	POS AT Lower Cretaceous (Albian) Hayesites albiensis	DEF AT
23230 /23228	POS AT Lower Cretaceous (Albian) Ticinella roberti	DEF AT
23391 /23388	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399	Date of Summary: 01-SEP-2004	First Sample Examined: 22650
Lease Number: G23480	Source of Paleo: OPERATOR	Borehole MD: 23392
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23392
API Well Number: 608244000301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 3	Sample Range: 22650 - 23391	Water Depth: 8951
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22650 /22648	DEF AT first sample examined	DEF AT
22651 /22649	DEF IN radiolarians	DEF AT
22652 /22650	DEF IN Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT
22730 /22728	POS AT Upper Cretaceous Santonian Stage	DEF AT
22750 /22748	DEF AT Upper Cretaceous (Cenomanian) Rotalipora greenhornensis	DEF AT
22770 /22768	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT
22790 /22788	DEF AT Upper Cretaceous (Cenomanian) Rotalipora gandolfii	DEF AT
22829 /22827	DEF AT radiolarians	DEF AT
22830 /22828	DEF AT local marker planktic foram increase	DEF AT
22870 /22868	DEF AT limestone	DEF AT
23030 /23028	DEF AT local marker foram decrease	DEF AT
23050 /23048	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT
23150 /23148	DEF AT local marker foram decrease	DEF AT
23391 /23388	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399	Date of Summary: 04-SEP-2004	First Sample Examined: 16550
Lease Number: G23480	Source of Paleo: OPERATOR	Borehole MD: 23392
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23392
API Well Number: 608244000301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 16550 - 23391	Water Depth: 8951
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Cheyenne Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16550 /16550	DEF AT first sample examined	POS AT 5
16640 /16639	DEF AT - - - - -	DEF AT 5
16720 /16719	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
16750 /16749	DEF AT limestone	DEF AT 5
16780 /16779	DEF AT - - - - -	DEF AT 5
17110 /17108	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17260 /17258	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
17589 /17587	POS AT reworked material	DEF AT 5
17590 /17588	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
17620 /17618	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17919 /17917	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17920 /17918	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
17964 /17962	POS AT local white Arenaceous fauna	DEF AT 5
17965 /17963	DEF AT local marker planktic foram increase	DEF AT 5
18130 /18128	DEF AT pyrite	DEF AT 5
18370 /18368	DEF AT reworked material	DEF AT 5
18400 /18398	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18460 /18458	DEF AT pyrite	DEF AT 5
18580 /18578	DEF AT siltstone	DEF AT 5
18960 /18958	POS AT Arenaceous fauna (local marker)	DEF AT 5
18970 /18968	DEF AT Eggerella sp. (local marker)	DEF AT 5
19000 /18998	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399  
Lease Number: G23480  
Well Name: 001  
API Well Number: 608244000301  
Paleo Report Num: 3 of 3  
Public Info Code: Y 18-OCT-2012

Date of Summary: 04-SEP-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 16550 - 23391  
Ecozone Eq MMS: Y

First Sample Examined: 16550  
Borehole MD: 23392  
Borehole TVD: 23392  
Rkb Elevation: 75  
Water Depth: 8951  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19120 /19118	DEF AT turbid water facies	DEF AT 5
19269 /19267	DEF AT turbid water facies	DEF AT 5
19270 /19268	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
19330 /19328	DEF AT turbid water facies	DEF AT 5
19480 /19478	DEF AT turbid water facies	DEF AT 5
19690 /19688	DEF AT turbid water facies	DEF AT 5
20050 /20048	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
20080 /20078	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
20110 /20108	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
20260 /20258	DEF AT Arenaceous fauna (local marker)	DEF AT 5
20290 /20288	DEF AT turbid water facies	DEF AT 5
20320 /20318	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 5
20470 /20468	DEF AT siltstone	DEF AT 5
20529 /20527	DEF AT siltstone	DEF AT 5
20530 /20528	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
20559 /20557	DEF AT glauconite	DEF AT 5
20560 /20558	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
20590 /20588	DEF AT local marker planktic foram increase	DEF AT 5
20920 /20918	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
20980 /20978	DEF AT local marker planktic foram increase	DEF AT 5
21010 /21008	DEF AT limestone	DEF AT 5
21069 /21067	POS AT reworked material	DEF AT 5
21070 /21068	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
21100 /21098	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399	Date of Summary: 04-SEP-2004	First Sample Examined: 16550
Lease Number: G23480	Source of Paleo: OPERATOR	Borehole MD: 23392
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23392
API Well Number: 608244000301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 16550 - 23391	Water Depth: 8951
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21129 /21127	DEF AT reworked material	DEF AT 5
21130 /21128	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
21290 /21288	DEF AT limestone	DEF AT 5
21389 /21387	DEF AT reworked material	DEF AT 5
21390 /21388	DEF AT limestone	DEF AT 5
21590 /21588	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
21610 /21608	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
21710 /21708	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
21730 /21728	DEF AT pyrite	DEF AT 5
21830 /21828	DEF AT limestone	DEF AT 5
21909 /21907	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
21910 /21908	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22010 /22008	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
22070 /22068	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
22100 /22098	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
22170 /22168	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
22229 /22227	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
22230 /22228	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
22249 /22247	DEF IN Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
22250 /22248	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
22270 /22268	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
22288 /22286	DEF AT radiolarians	DEF AT 5
22289 /22287	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 5
22290 /22288	DEF AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399	Date of Summary: 04-SEP-2004	First Sample Examined: 16550
Lease Number: G23480	Source of Paleo: OPERATOR	Borehole MD: 23392
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23392
API Well Number: 608244000301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 16550 - 23391	Water Depth: 8951
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22310 /22308	DEF AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF AT 5
22330 /22328	DEF AT radiolarians	DEF AT 5
22430 /22428	DEF AT limestone	DEF AT 5
22529 /22527	POS AT oxidized shale	DEF AT 5
22530 /22528	DEF AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT 5
22550 /22548	POS AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT 5
22610 /22608	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 5
22630 /22628	DEF AT pyrite	DEF AT 5
22649 /22647	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT 5
22650 /22648	POS AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 5
22670 /22668	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 5
22728 /22726	DEF AT limestone	DEF AT 5
22729 /22727	POS AT Upper Cretaceous (Santonian) Whiteinella inornata	DEF AT 5
22730 /22728	POS AT Upper Cretaceous (Coniacian) Whiteinella paradubia	DEF AT 5
22749 /22747	DEF AT black shale	DEF AT 5
22750 /22748	DEF AT Upper Cretaceous (Cenomanian) Rotalipora greenhornensis	DEF AT 5
22759 /22757	DEF AT pyrite	DEF AT 5
22770 /22768	DEF AT Upper Cretaceous (Cenomanian) Textularia rioensis	DEF AT 5
23010 /23008	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 5
23050 /23048	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 5
23110 /23108	DEF AT local marker planktic foram increase	DEF AT 5
23190 /23188	DEF AT black shale	DEF AT 5
23391 /23388	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 01-JAN-2005	<b>First Sample Examined:</b> 23080
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27775
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27721
<b>API Well Number:</b> 608244000303	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 23080 - 25830	<b>Water Depth:</b> 8951
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Cheyenne Prospect, 24640=red beds

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23080 /23073	DEF AT first sample examined	DEF AT
23360 /23353	DEF AT local marker foram increase	DEF AT
23439 /23432	DEF AT Lower Cretaceous (Albian) Planomalina buxtoni	DEF AT
23440 /23433	DEF AT Lower Cretaceous (Albian) Rotalipora tacinensis	DEF AT
23540 /23533	DEF AT local marker benthic foram increase	DEF AT
23580 /23573	DEF AT Lower Cretaceous (Albian) Ticinella roberti	DEF AT
23600 /23593	DEF AT siltstone	DEF AT
23640 /23633	POS AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT
23760 /23753	DEF AT local marker foram decrease	DEF AT
23840 /23833	DEF IN Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT
23900 /23893	DEF AT siltstone	DEF AT
23960 /23953	POS AT local marker planktic foram increase	DEF AT
24020 /24013	DEF AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT
24720 /24713	DEF AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT
24830 /24823	POS AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT
24890 /24883	POS AT Lower Cretaceous (Aptian) Conusphaera rothii	DEF AT
24980 /24973	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
25050 /25043	DEF AT pyrite	DEF AT
25290 /25283	DEF AT limestone	DEF AT
25520 /25513	DEF AT anhydrite	DEF AT
25550 /25543	POS IN Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
25608 /25601	POS AT dolomite	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 01-JAN-2005	<b>First Sample Examined:</b> 23080
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27775
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27721
<b>API Well Number:</b> 608244000303	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 23080 - 25830	<b>Water Depth:</b> 8951
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25640 /25633	POS AT local marker (general)	DEF AT
25820 /25812	DEF IN salt	DEF AT
25830 /25822	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399	Date of Summary: 22-FEB-2005	First Sample Examined: 22994
Lease Number: G23480	Source of Paleo: OPERATOR	Borehole MD: 27775
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27721
API Well Number: 608244000303	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 22994 - 25830	Water Depth: 8951
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Cheyenne Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22994 /22987	DEF AT first sample examined	DEF AT
22995 /22988	DEF IN Upper Cretaceous (Cenomanian) Microstaurus chiastius	DEF AT
23160 /23153	DEF AT reworked material	DEF AT
23420 /23413	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT
23459 /23452	DEF AT Lower Cretaceous (Albian) Braarudosphaera hockwoldensis	DEF AT
23460 /23453	DEF AT Lower Cretaceous (Albian) Prediscosphaera columnata	DEF AT
23639 /23632	DEF AT Lower Cretaceous (Albian) Crucicribrum anglicum	DEF AT
23640 /23633	DEF AT Lower Cretaceous (Albian) Rucinolithus irregularis	DEF AT
23860 /23853	DEF AT Lower Cretaceous (Aptian) Nannoconid crisis	DEF AT
24060 /24053	DEF AT local marker floral increase	DEF AT
24160 /24153	DEF AT reworked material	DEF AT
24380 /24373	DEF IN Lower Cretaceous (Aptian) Nannoconid crisis	DEF AT
24440 /24433	DEF AT local marker floral increase	DEF AT
24620 /24613	DEF AT local marker floral decrease	DEF AT
24680 /24673	DEF AT Lower Cretaceous (Aptian) Nannoconus kamptneri	DEF AT
24720 /24713	DEF AT Lower Cretaceous (Aptian) Micrantholithus hoschulzii	DEF AT
24740 /24733	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
24780 /24773	DEF AT Lower Cretaceous (Aptian) Conusphaera rothii	DEF AT
24800 /24793	POS AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT
24830 /24823	DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT
24978 /24971	DEF IN Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
24979 /24972	DEF IN Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 22-FEB-2005	<b>First Sample Examined:</b> 22994
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27775
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27721
<b>API Well Number:</b> 608244000303	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 22994 - 25830	<b>Water Depth:</b> 8951
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24980 /24973	DEF AT Upper Jurassic (Tithonian) Watznaueria britannica (increase)	DEF AT
24989 /24982	DEF AT local marker floral increase	DEF AT
24990 /24983	DEF AT Upper Jurassic (Tithonian) Watznaueria britannica (decline)	DEF AT
25170 /25163	DEF AT reworked material	DEF AT
25550 /25543	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
25819 /25811	DEF AT local marker floral decrease	DEF AT
25820 /25812	DEF IN salt	DEF AT
25830 /25822	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 22-AUG-2005	<b>First Sample Examined:</b> 12324
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18613
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18582
<b>API Well Number:</b> 608244000600	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12324 - 18613	<b>Water Depth:</b> 8960
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12324 /12324	DEF AT first sample examined	DEF AT 5
15260 /15232	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15830 /15801	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15860 /15831	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16220 /16191	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
17480 /17450	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
18200 /18169	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
18230 /18199	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18613 /18582	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399	Date of Summary: 22-AUG-2005	First Sample Examined: 12324
Lease Number: G23480	Source of Paleo: OPERATOR	Borehole MD: 18613
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18582
API Well Number: 608244000600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12324 - 18614	Water Depth: 8960
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12324 /12324	DEF AT first sample examined	DEF AT
14000 /13980	DEF AT out-of-place section	DEF AT
15260 /15232	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15830 /15801	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15980 /15951	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16100 /16071	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16130 /16101	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16400 /16371	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16550 /16520	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16669 /16639	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16670 /16640	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
16850 /16820	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17240 /17210	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17450 /17420	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17570 /17540	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18200 /18169	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18230 /18199	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18614 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 399	Date of Summary: 30-JUN-2008	First Sample Examined: 12412
Lease Number: G23480	Source of Paleo: OPERATOR	Borehole MD: 19344
Well Name: SS003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17891
API Well Number: 608244000800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 12412 - 19345	Water Depth: 8960
Public Info Code: Y 18-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12412 /12412	DEF AT first sample examined	DEF AT 4
12413 /12413	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 4
12414 /12414	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
14319 /14114	POS AT maximum flooding surface	DEF AT 5
14320 /14115	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
14380 /14160	DEF AT faunal change (no faunal increase)	DEF AT 4
15068 /14679	POS AT maximum flooding surface	DEF AT 5
15069 /14680	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
15070 /14681	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15698 /15155	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
15699 /15156	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15700 /15156	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
15759 /15200	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
15760 /15201	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
15790 /15223	POS AT maximum flooding surface	DEF IN 5
16030 /15403	DEF AT faunal change (no faunal increase)	DEF AT 5
16562 /15807	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
16563 /15808	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
16564 /15809	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
16565 /15809	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 5
16566 /15810	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
16567 /15811	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 30-JUN-2008	<b>First Sample Examined:</b> 12412
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19344
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17891
<b>API Well Number:</b> 608244000800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12412 - 19345	<b>Water Depth:</b> 8960
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16568 /15812	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
16569 /15812	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
16570 /15813	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
16629 /15857	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
16630 /15858	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
16750 /15948	DEF AT maximum flooding surface	DEF IN 5
16810 /15992	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
16959 /16104	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
16960 /16104	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
17019 /16148	POS AT maximum flooding surface	DEF IN 5
17020 /16149	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
17080 /16194	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
17110 /16216	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
17200 /16283	POS AT maximum flooding surface	DEF IN 5
17260 /16328	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
17350 /16395	DEF AT faunal change (no faunal increase)	DEF AT 5
17680 /16643	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
17709 /16665	POS AT maximum flooding surface	DEF AT 5
17710 /16665	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
17800 /16733	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
18278 /17091	POS AT maximum flooding surface	DEF AT 5
18279 /17092	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
18280 /17093	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
18370 /17160	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> LL 399	<b>Date of Summary:</b> 30-JUN-2008	<b>First Sample Examined:</b> 12412
<b>Lease Number:</b> G23480	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19344
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17891
<b>API Well Number:</b> 608244000800	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12412 - 19345	<b>Water Depth:</b> 8960
<b>Public Info Code:</b> Y 18-OCT-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18610 /17341	POS AT maximum flooding surface	DEF AT 5
18670 /17386	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
19120 /17723	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
19148 /17744	POS AT maximum flooding surface	DEF AT 5
19149 /17745	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
19150 /17745	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
19270 /17835	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
19345 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: LL 400	Date of Summary: 11-APR-2012	First Sample Examined: 12631
Lease Number: G23481	Source of Paleo: OPERATOR	Borehole MD: 17715
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17642
API Well Number: 608244001300	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 12631 - 15340	Water Depth: 9179
Public Info Code: Y 22-MAY-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Samples below 15340, to well TD of 17715, were not received, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12631 /12631	DEF AT first sample examined	DEF AT 5
12632 /12632	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
12633 /12633	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
13470 /13470	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
14220 /14220	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
14400 /14400	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
15119 /15118	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT 5
15120 /15119	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15340 /15339	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 20	Date of Summary: 12-DEC-2000	First Sample Examined: 0
Lease Number: G04935	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9790
Well Name: A022	Paleo Done By: OPERATOR	Borehole TVD: 7582
API Well Number: 608174089900	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 479
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3960 / 3595	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
5760 / 4836	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8905 / 6960	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 20	Date of Summary: 19-FEB-2001	First Sample Examined: 0
Lease Number: G04935	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8375
Well Name: A024	Paleo Done By: OPERATOR	Borehole TVD: 6445
API Well Number: 608174090500	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 479
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4280 / 3582	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
6320 / 4947	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7750 / 5985	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
8020 / 6182	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 20	<b>Date of Summary:</b> 26-DEC-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15459	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14370
<b>Well Name:</b> A020	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7869
<b>API Well Number:</b> 608174089200	<b>Drilling Operator:</b> TAYLOR ENERGY COMPANY	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 479
<b>Public Info Code:</b> Y 27-OCT-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5310 / 3610	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
7800 / 4697	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11710 / 6440	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
14052 / 7514	DEF IN Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 24	Date of Summary: 10-FEB-2005	First Sample Examined: 2620
Lease Number: G22852	Source of Paleo: OPERATOR	Borehole MD: 21887
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20987
API Well Number: 608174104700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 2620 - 21877	Water Depth: 1106
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2620 / 2620	DEF AT first sample examined	DEF AT 4
3040 / 3040	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
3190 / 3190	DEF AT - - - - -	DEF AT 5
3610 / 3610	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
3700 / 3700	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
3820 / 3820	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
3850 / 3850	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
3940 / 3940	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
4150 / 4150	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
8670 / 8670	DEF AT salt	DEF AT 5
10140 /10140	DEF AT base of salt	DEF AT 6
10230 /10230	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
11490 /11490	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
11550 /11550	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 6
11790 /11790	DEF AT - - - - -	DEF AT 5
14520 /14349	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15060 /14831	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
15270 /15020	DEF AT - - - - -	DEF AT 5
15450 /15181	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16140 /15793	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17580 /17088	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17850 /17333	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 24	Date of Summary: 10-FEB-2005	First Sample Examined: 2620
Lease Number: G22852	Source of Paleo: OPERATOR	Borehole MD: 21887
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20987
API Well Number: 608174104700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 2620 - 21877	Water Depth: 1106
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20970 /20147	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21210 /20366	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21750 /20861	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
21877 /20978	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 24	Date of Summary: 10-FEB-2005	First Sample Examined: 2620
Lease Number: G22852	Source of Paleo: OPERATOR	Borehole MD: 21887
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20987
API Well Number: 608174104700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 2620 - 21877	Water Depth: 1106
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2620 / 2620	DEF AT first sample examined	DEF AT
2621 / 2621	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
3040 / 3040	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
3550 / 3550	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
3670 / 3670	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
3700 / 3700	POS AT out-of-place section	DEF AT
3730 / 3730	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3820 / 3820	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
3940 / 3940	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4900 / 4900	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6570 / 6570	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8670 / 8670	DEF AT salt	DEF AT
10140 /10140	DEF AT base of salt	DEF AT
10290 /10290	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10740 /10740	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11310 /11310	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
11580 /11580	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12690 /12671	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13140 /13088	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14370 /14215	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15510 /15235	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16140 /15793	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 24	<b>Date of Summary:</b> 10-FEB-2005	<b>First Sample Examined:</b> 2620
<b>Lease Number:</b> G22852	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21887
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20987
<b>API Well Number:</b> 608174104700	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2620 - 21877	<b>Water Depth:</b> 1106
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17610 /17115	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20940 /20119	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21209 /20365	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21210 /20366	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21810 /20916	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
21877 /20978	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 28	Date of Summary: 11-DEC-1989	First Sample Examined: 9840
Lease Number: G09771	Source of Paleo: OPERATOR	Borehole MD: 13066
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12007
API Well Number: 608174036801	Drilling Operator: BP OIL CORPORATION	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 9840 - 13066	Water Depth: 1494
Public Info Code: Y 15-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9840 / 9052	DEF AT first sample examined	DEF AT 5
9870 / 9076	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 5
10710 / 9798	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
10980 /10042	POS IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
11100 /10153	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
11400 /10433	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
12390 /11367	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
12720 /11680	DEF AT calcite	DEF AT 5
12870 /11821	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
13006 /11950	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 29	Date of Summary: 24-MAR-1998	First Sample Examined: 3660
Lease Number: G13997	Source of Paleo: OPERATOR	Borehole MD: 7959
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7848
API Well Number: 608174060300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 3660 - 7959	Water Depth: 2266
Public Info Code: Y 03-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
3660 / 3660	DEF AT first sample examined	DEF AT 4
3690 / 3690	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
4259 / 4259	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
4260 / 4260	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
4290 / 4290	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
4350 / 4350	DEF AT - - - - -	DEF AT 5
4440 / 4440	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
4650 / 4650	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
4860 / 4860	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
5039 / 5039	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
5040 / 5040	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
5399 / 5399	POS AT out-of-place section	DEF AT 5
5400 / 5400	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7200 / 7168	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
7800 / 7708	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
7959 / 7849	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 29	Date of Summary: 24-MAR-1998	First Sample Examined: 3660
Lease Number: G13997	Source of Paleo: OPERATOR	Borehole MD: 7959
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7848
API Well Number: 608174060300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 3660 - 7959	Water Depth: 2266
Public Info Code: Y 03-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3660 / 3660	DEF AT first sample examined	DEF AT
3780 / 3780	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4258 / 4258	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4259 / 4259	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
4260 / 4260	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
4350 / 4350	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
4500 / 4500	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4680 / 4680	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4950 / 4950	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7530 / 7467	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7959 / 7849	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 35	Date of Summary: 03-DEC-2015	First Sample Examined: 8035
Lease Number: G26234	Source of Paleo: OPERATOR	Borehole MD: 17775
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17775
API Well Number: 608174131000	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 8035 - 17776	Water Depth: 3532
Public Info Code: Y 18-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Vernaccia Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8035 / 8035	DEF AT first sample examined	DEF IN 6
8089 / 8089	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF IN 6
8090 / 8090	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 6
8120 / 8120	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 6
8480 / 8480	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 6
8540 / 8540	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 6
8780 / 8780	DEF AT - - - - -	DEF IN 5
8960 / 8960	DEF AT - - - - -	DEF AT 5
9620 / 9620	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
10580 /10580	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
11360 /11360	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
11390 /11390	DEF AT - - - - -	DEF IN 5
11510 /11510	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF IN 5
11540 /11540	DEF AT - - - - -	DEF AT 5
11629 /11629	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
11630 /11630	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
11660 /11660	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
11900 /11900	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
12138 /12138	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT 5
12139 /12139	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
12140 /12140	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 35	Date of Summary: 03-DEC-2015	First Sample Examined: 8035
Lease Number: G26234	Source of Paleo: OPERATOR	Borehole MD: 17775
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17775
API Well Number: 608174131000	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 8035 - 17776	Water Depth: 3532
Public Info Code: Y 18-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12200 /12200	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12770 /12770	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
12860 /12860	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
13460 /13460	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13520 /13520	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13610 /13610	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
13760 /13760	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT 5
14798 /14798	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
14799 /14799	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
14800 /14800	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15008 /15008	DEF AT reworked material	DEF AT 5
15009 /15009	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
15010 /15010	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
15165 /15165	DEF AT sample gap top	POS AT 5
15293 /15293	DEF AT sample gap bottom	DEF AT 5
15430 /15430	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
16570 /16570	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16718 /16718	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
16719 /16719	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
16720 /16720	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
17619 /17619	DEF AT local marker floral increase	DEF AT 5
17620 /17620	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
17706 /17706	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
17707 /17707	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 35  
 Lease Number: G26234  
 Well Name: 001  
 API Well Number: 608174131000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 18-SEP-2016

Date of Summary: 03-DEC-2015  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: ENI US OPERATING CO INC  
 Sample Range: 8035 - 17776  
 Ecozone Eq MMS: Y

First Sample Examined: 8035  
 Borehole MD: 17775  
 Borehole TVD: 17775  
 Rkb Elevation: 84  
 Water Depth: 3532  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17708 /17708	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
17709 /17709	POS AT Lower Miocene (Aquitanian) Sphenolithus capricornutus	DEF AT 5
17710 /17710	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
17740 /17740	POS AT local marker planktic foram increase	DEF AT 5
17776 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 72	Date of Summary: 27-APR-1990	First Sample Examined: 8680
Lease Number: G08483	Source of Paleo: OPERATOR	Borehole MD: 10800
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10798
API Well Number: 608174037500	Drilling Operator: BP OIL CORPORATION	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 8680 - 10800	Water Depth: 1978
Public Info Code: Y 16-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8680 / 8679	DEF AT first sample examined	POS AT 5
8980 / 8979	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
9010 / 9009	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
9610 / 9609	DEF AT faunal change (no faunal increase)	DEF AT 6
9850 / 9848	DEF AT faunal change (no faunal increase)	DEF AT 5
10330 /10328	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
10800 /10798	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 82	Date of Summary: 20-MAR-2006	First Sample Examined: 9230
Lease Number: G18194	Source of Paleo: OPERATOR	Borehole MD: 15095
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 14148
API Well Number: 608174107800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 9230 - 15095	Water Depth: 4304
Public Info Code: Y 19-JAN-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 10070= Discoaster preberggrenii, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9230 / 9145	DEF AT first sample examined	DEF AT
9859 / 9731	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9860 / 9732	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10070 / 9927	DEF AT local marker floral increase	DEF AT
10890 /10677	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11880 /11504	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12150 /11724	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12210 /11773	DEF AT local marker planktic foram increase	DEF AT
12240 /11798	DEF AT condensed section	DEF AT
12540 /12041	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
13260 /12617	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13380 /12713	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13410 /12737	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
13859 /13096	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13860 /13097	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
14460 /13594	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
15095 /14148	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 84	Date of Summary: 02-MAR-1993	First Sample Examined: 0
Lease Number: G08484	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15185
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14985
API Well Number: 608174043100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 4	Sample Range: 0 - 0	Water Depth: 5195
Public Info Code: Y 16-FEB-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 13450=Cyclococcolithus neogammation (=synonym for Cyclicargolithus floridanus)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7980	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8460 / 8460	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9000 / 9000	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9060 / 9060	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10200 /10200	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10710 /10710	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13450 /13389	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 84	Date of Summary: 02-MAR-1993	First Sample Examined: 0
Lease Number: G08484	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15185
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14985
API Well Number: 608174043100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 2 of 4	Sample Range: 0 - 0	Water Depth: 5195
Public Info Code: Y 16-FEB-2003	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report for sidetrack

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12920 /12898	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13990 /13876	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
14110 /13984	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
14440 /14283	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
14560 /14393	DEF IN Upper Oligocene	DEF AT
14630 /14456	DEF IN Lower (Early) Eocene	DEF AT
14700 /14520	DEF IN Upper (Late) Paleocene	DEF AT
14820 /14629	DEF AT Lower Paleocene Danian Stage	DEF AT
15010 /14803	DEF AT Upper Cretaceous Maastrichtian Stage	DEF AT
15050 /14840	DEF AT Upper Cretaceous Campanian Stage	DEF AT
15100 /14886	DEF AT Upper Cretaceous Cenomanian Stage	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 84  
Lease Number: G08484  
Well Name: 001  
API Well Number: 608174043100  
Paleo Report Num: 3 of 4  
Public Info Code: Y 16-FEB-2003

Date of Summary: 22-JUN-1993  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP AMERICA PRODUCTION COMPANY  
Sample Range: 13600 - 15185  
Ecozone Eq MMS: Y

First Sample Examined: 13600  
Borehole MD: 15185  
Borehole TVD: 14985  
Rkb Elevation: 46  
Water Depth: 5195  
Paleo ID: 004

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13600 /13524	DEF AT first sample examined	DEF AT 4
13870 /13768	DEF AT - - - - -	DEF AT 5
13930 /13822	DEF AT poor sample interval top	POS AT 5
13989 /13875	DEF AT poor sample interval bottom	DEF AT 5
13990 /13876	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14050 /13930	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
14080 /13957	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
14110 /13984	DEF AT - - - - -	DEF AT 5
14170 /14039	DEF AT - - - - -	DEF AT 4
14530 /14365	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
14600 /14429	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 4
14670 /14492	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
14730 /14547	DEF AT - - - - -	DEF AT 4
14920 /14721	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 4
14950 /14748	DEF AT - - - - -	DEF AT 5
14960 /14757	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 3
15050 /14840	DEF AT Upper Cretaceous (Santonian) Marginotruncana renzi	DEF AT 3
15110 /14895	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 3
15185 /14964	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 84	Date of Summary: 01-JUL-1993	First Sample Examined: 9000
Lease Number: G08484	Source of Paleo: OPERATOR	Borehole MD: 15185
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14985
API Well Number: 608174043100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 4 of 4	Sample Range: 9000 - 13600	Water Depth: 5195
Public Info Code: Y 16-FEB-2003	Ecozone Eq MMS:	Paleo ID: 003

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 9000	DEF AT first sample examined	DEF AT 5
9240 / 9240	DEF AT -----	DEF AT 3
9300 / 9300	DEF AT -----	DEF AT 4
9720 / 9720	DEF AT -----	DEF AT 5
9780 / 9780	DEF AT -----	DEF AT 4
9960 / 9960	DEF AT -----	DEF AT 5
10020 /10020	DEF AT -----	DEF AT 4
10200 /10200	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
10260 /10260	DEF AT -----	DEF AT 4
10620 /10620	DEF AT -----	DEF AT 5
10680 /10680	DEF AT -----	DEF AT 4
10740 /10740	DEF AT -----	DEF AT 5
10860 /10860	DEF AT -----	DEF AT 4
11100 /11100	DEF AT -----	DEF AT 3
11160 /11160	DEF AT -----	DEF AT 4
11280 /11280	DEF AT -----	DEF AT 3
11310 /11310	DEF AT sample gap top	POS AT 3
11580 /11580	DEF AT sample gap bottom	POS AT 3
11581 /11581	DEF AT poor sample interval top	POS AT 3
11640 /11640	DEF AT poor sample interval bottom	DEF AT 4
11760 /11760	DEF AT poor sample interval top	POS AT 4
12270 /12265	DEF AT poor sample interval bottom	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 84	<b>Date of Summary:</b> 01-JUL-1993	<b>First Sample Examined:</b> 9000
<b>Lease Number:</b> G08484	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15185
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14985
<b>API Well Number:</b> 608174043100	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 9000 - 13600	<b>Water Depth:</b> 5195
<b>Public Info Code:</b> Y 16-FEB-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12390 /12382	DEF AT poor sample interval top	POS AT 4
12879 /12858	DEF AT poor sample interval bottom	DEF AT 4
12880 /12859	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13060 /13031	DEF AT poor sample interval top	POS AT 4
13119 /13086	DEF AT poor sample interval bottom	DEF AT 3
13120 /13087	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
13240 /13199	DEF AT - - - - -	DEF AT 4
13480 /13416	DEF AT poor sample interval top	POS AT 4
13540 /13470	DEF AT poor sample interval bottom	DEF AT 4
13600 /13524	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 85	Date of Summary: 01-NOV-1996	First Sample Examined: 10100
Lease Number: G08797	Source of Paleo: OPERATOR	Borehole MD: 12315
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11857
API Well Number: 608174053500	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 10100 - 12290	Water Depth: 5370
Public Info Code: Y 19-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 / 9920	DEF AT first sample examined	DEF AT 4
10101 / 9920	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
10280 /10076	DEF AT -----	DEF IN 3
10310 /10102	DEF AT -----	DEF AT 4
10340 /10128	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
10370 /10155	DEF AT -----	DEF AT 3
10400 /10181	DEF AT local marker foram increase	DEF IN 3
10460 /10233	DEF AT -----	DEF AT 4
10490 /10259	DEF AT -----	DEF IN 4
10520 /10285	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
10550 /10311	DEF AT -----	DEF AT 4
10580 /10337	DEF AT -----	DEF IN 4
10610 /10363	DEF AT -----	DEF AT 5
10640 /10389	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
10730 /10467	DEF AT -----	DEF IN 4
10820 /10545	DEF AT -----	DEF IN 3
10880 /10597	DEF AT -----	DEF AT 5
10910 /10623	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
11030 /10727	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 3
11060 /10753	DEF AT -----	DEF AT 4
11090 /10780	DEF AT -----	DEF IN 4
11220 /10893	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 85	Date of Summary: 01-NOV-1996	First Sample Examined: 10100
Lease Number: G08797	Source of Paleo: OPERATOR	Borehole MD: 12315
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11857
API Well Number: 608174053500	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 10100 - 12290	Water Depth: 5370
Public Info Code: Y 19-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /10962	DEF AT -----	DEF AT 5
11330 /10988	DEF AT -----	DEF IN 4
11360 /11014	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
11390 /11041	DEF AT -----	DEF IN 3
11420 /11067	DEF AT -----	DEF AT 4
11450 /11093	DEF AT -----	DEF AT 5
11480 /11119	DEF AT -----	DEF AT 4
11510 /11145	DEF AT -----	DEF AT 5
11540 /11172	DEF AT -----	DEF IN 4
11570 /11198	DEF AT -----	DEF AT 4
11720 /11330	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11810 /11409	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11960 /11542	DEF AT -----	DEF IN 4
11990 /11568	DEF AT -----	DEF AT 4
12050 /11622	DEF AT -----	DEF IN 4
12080 /11648	DEF AT -----	DEF IN 3
12110 /11675	DEF AT -----	DEF IN 4
12200 /11755	DEF AT -----	DEF AT 4
12290 /11835	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 85	Date of Summary: 25-NOV-1996	First Sample Examined: 0
Lease Number: G08797	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11684
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11404
API Well Number: 608174053502	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 5370
Public Info Code: Y 25-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11160 /10998	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
11460 /11284	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
11840 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 109	Date of Summary: 22-NOV-1991	First Sample Examined: 0
Lease Number: G05825	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9880
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7055
API Well Number: 608174040900	Drilling Operator: BP OIL CORPORATION	Rkb Elevation: 140
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1030
Public Info Code: Y 10-NOV-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: 2420=Ehrenbergina fauna

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2420 / 2403	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
3260 / 3116	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
4460 / 3822	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
5780 / 4624	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
9100 / 6691	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 109	Date of Summary: 02-MAR-1992	First Sample Examined: 0
Lease Number: G05825	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7359
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 7210
API Well Number: 608174041800	Drilling Operator: BP OIL CORPORATION	Rkb Elevation: 140
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1030
Public Info Code: Y 08-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5240 / 5147	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
5600 / 5495	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
6350 / 6221	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
6650 / 6514	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 109	<b>Date of Summary:</b> 01-JUL-2000	<b>First Sample Examined:</b> 11700
<b>Lease Number:</b> G09777	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21945
<b>Well Name:</b> A032	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 8708
<b>API Well Number:</b> 608174088501	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 141
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 11700 - 21945	<b>Water Depth:</b> 1030
<b>Public Info Code:</b> Y 30-AUG-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, no summary report, only detailed sample description received, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11700 / 5652	DEF AT first sample examined	DEF AT
11701 / 5652	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11820 / 5686	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
21945 / 8708	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 109	<b>Date of Summary:</b> 30-JUN-2001	<b>First Sample Examined:</b> 11700
<b>Lease Number:</b> G09777	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21945
<b>Well Name:</b> A032	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8708
<b>API Well Number:</b> 608174088501	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 141
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 11700 - 21945	<b>Water Depth:</b> 1030
<b>Public Info Code:</b> Y 30-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11700 / 5652	DEF AT first sample examined	DEF IN 3
11880 / 5703	DEF AT -----	DEF AT 4
11910 / 5711	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
11940 / 5719	DEF AT -----	DEF AT 5
11970 / 5728	DEF AT -----	DEF AT 4
12060 / 5754	DEF AT -----	DEF IN 3
15600 / 6886	DEF AT -----	DEF AT 2
15660 / 6904	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 2
15780 / 6940	DEF AT local marker foram increase	DEF AT 2
15960 / 6994	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
16260 / 7086	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
17100 / 7338	DEF AT -----	DEF IN 2
17610 / 7487	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
17790 / 7540	DEF AT local marker foram increase	DEF IN 2
18390 / 7714	DEF AT sample gap top	POS IN 2
19050 / 7911	DEF AT sample gap bottom	DEF IN 2
19410 / 8017	DEF AT -----	DEF AT 2
20070 / 8208	DEF AT -----	DEF IN 2
20400 / 8300	DEF AT -----	DEF AT 2
21945 / 8708	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 109	<b>Date of Summary:</b> 24-SEP-2001	<b>First Sample Examined:</b> 11700
<b>Lease Number:</b> G09777	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21945
<b>Well Name:</b> A032	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8708
<b>API Well Number:</b> 608174088501	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 141
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 11700 - 21945	<b>Water Depth:</b> 1030
<b>Public Info Code:</b> Y 30-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11700 / 5652	DEF AT first sample examined	DEF IN 3
11701 / 5652	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 3
11820 / 5686	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 3
12060 / 5754	DEF AT maximum flooding surface	DEF IN 3
13260 / 6126	DEF AT maximum flooding surface	DEF IN 3
14190 / 6443	DEF AT maximum flooding surface	DEF IN 3
14400 / 6507	DEF AT sample gap top	POS IN 3
15480 / 6848	DEF AT sample gap bottom	POS IN 3
15660 / 6904	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
16260 / 7086	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
17370 / 7417	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 2
17600 / 7485	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
18330 / 7696	DEF AT maximum flooding surface	DEF IN 2
19140 / 7937	DEF AT maximum flooding surface	DEF IN 2
20100 / 8216	DEF AT maximum flooding surface	DEF IN 2
21944 / 8708	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
21945 / 8708	DEF AT last sample examined	DEF AT 2

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 109	Date of Summary: 13-APR-2000	First Sample Examined: 5970
Lease Number: G18192	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A031	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 6650
API Well Number: 608174087900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 140
Paleo Report Num: 1 of 2	Sample Range: 5970 - 12515	Water Depth: 1030
Public Info Code: Y 08-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Orion Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5970 / 4119	DEF AT first sample examined	DEF AT 5
5971 / 4119	DEF AT foram flood	DEF AT 5
5972 / 4119	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6090 / 4152	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
6150 / 4168	DEF AT -----	DEF AT 4
6210 / 4184	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
6450 / 4256	DEF AT -----	DEF IN 3
6480 / 4265	DEF AT -----	DEF AT 4
6507 / 4272	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
6508 / 4273	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
6509 / 4273	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
6510 / 4273	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 4
6540 / 4282	DEF AT local marker foram decrease	DEF AT 4
6600 / 4299	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
6660 / 4316	POS AT reworked material	DEF AT 4
6720 / 4333	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
6810 / 4359	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 3
6840 / 4368	DEF AT -----	DEF AT 4
6960 / 4404	DEF AT -----	DEF IN 3
7260 / 4487	DEF AT -----	DEF AT 4
7290 / 4495	DEF AT -----	DEF IN 3
7770 / 4625	DEF AT transported shelf fauna	POS IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 109	Date of Summary: 13-APR-2000	First Sample Examined: 5970
Lease Number: G18192	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A031	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 6650
API Well Number: 608174087900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 140
Paleo Report Num: 1 of 2	Sample Range: 5970 - 12515	Water Depth: 1030
Public Info Code: Y 08-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 4706	DEF AT - - - - -	DEF IN 3
8189 / 4746	POS AT reworked material	DEF IN 3
8190 / 4746	DEF AT local marker foram increase	DEF IN 3
8340 / 4783	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
8850 / 4916	DEF AT sand	DEF AT 3
8970 / 4945	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
9120 / 4980	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
9270 / 5016	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
9420 / 5054	DEF AT - - - - -	DEF AT 3
9990 / 5209	DEF AT local marker planktic foram increase	DEF AT 3
10020 / 5219	DEF AT local marker foram increase	DEF IN 3
10230 / 5292	DEF AT - - - - -	DEF AT 4
10260 / 5304	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10350 / 5341	POS AT reworked material	DEF IN 3
10440 / 5381	DEF AT - - - - -	DEF AT 3
10710 / 5518	DEF AT local marker foram decrease	DEF AT 3
10830 / 5585	POS AT reworked material	DEF AT 3
11520 / 6006	DEF IN Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 3
11730 / 6136	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
11819 / 6192	POS AT reworked material	DEF AT 3
11820 / 6192	DEF AT local marker foram increase	DEF AT 3
12515 / 6650	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 109	Date of Summary: 01-AUG-2000	First Sample Examined: 5970
Lease Number: G18192	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A031	Paleo Done By: OPERATOR	Borehole TVD: 6650
API Well Number: 608174087900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 140
Paleo Report Num: 2 of 2	Sample Range: 5970 - 12515	Water Depth: 1030
Public Info Code: Y 08-MAY-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Orion Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5970 / 4119	DEF AT first sample examined	DEF AT
5971 / 4119	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6180 / 4176	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6660 / 4316	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6900 / 4386	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11490 / 5987	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11820 / 6192	POS AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
12515 / 6650	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 118	Date of Summary: 11-MAY-2015	First Sample Examined: 14526
Lease Number: G27994	Source of Paleo: OPERATOR	Borehole MD: 19400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18720
API Well Number: 608174129600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 14526 - 17536	Water Depth: 3091
Public Info Code: Y 18-OCT-2016	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Harrier Prospect, paleo done by Ellington and Associates

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14526 /14443	DEF AT first sample examined	DEF AT
14550 /14464	DEF AT Arenaceous fauna (local marker)	DEF AT
14670 /14570	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
15000 /14860	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
15180 /15018	POS AT maximum flooding surface	DEF AT
15510 /15308	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
15749 /15518	DEF AT local marker foram decrease	DEF AT
15750 /15519	DEF AT Bathysiphon fauna	DEF AT
16259 /15966	DEF AT maximum flooding surface	DEF AT
16260 /15967	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
16440 /16125	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
16650 /16309	POS AT maximum flooding surface	DEF AT
17040 /16654	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
17130 /16734	DEF AT local marker foram decrease	DEF AT
17459 /17023	POS AT maximum flooding surface	DEF AT
17460 /17023	DEF AT local marker planktic foram increase	DEF AT
17536 /17090	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 118	Date of Summary: 11-MAY-2015	First Sample Examined: 6300
Lease Number: G27994	Source of Paleo: OPERATOR	Borehole MD: 19400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18720
API Well Number: 608174129600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6300 - 16350	Water Depth: 3091
Public Info Code: Y 18-OCT-2016	Ecozone Eq MMS:	Paleo ID: 002

Remark: Harrier Prospect, calcareous nannofossil report, paleo done by Ellington and Associates

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6300 / 6299	DEF AT first sample examined	DEF AT
6660 / 6659	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
8100 / 8099	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8280 / 8279	DEF AT local marker floral increase	DEF AT
9120 / 9119	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9660 / 9659	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
12140 /12139	DEF AT local marker floral decrease	DEF AT
12240 /12239	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13800 /13775	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14370 /14304	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
14730 /14623	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15180 /15018	DEF AT local marker floral increase	DEF AT
16320 /16020	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16350 /16046	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 119	Date of Summary: 18-JUN-1999	First Sample Examined: 6680
Lease Number: G14629	Source of Paleo: OPERATOR	Borehole MD: 13804
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 13799
API Well Number: 608174084700	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 6680 - 13802	Water Depth: 2875
Public Info Code: Y 18-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6680 / 6680	DEF AT first sample examined	DEF AT 4
6681 / 6681	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
7340 / 7340	DEF AT local marker foram increase	DEF AT 4
7610 / 7610	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
7700 / 7699	DEF AT sample gap top	POS AT 4
9830 / 9828	DEF AT sample gap bottom	DEF AT 4
9890 / 9887	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
10160 /10157	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
11180 /11177	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
12350 /12346	DEF AT -----	DEF IN 3
13190 /13186	DEF AT -----	DEF AT 4
13340 /13336	DEF AT -----	DEF IN 3
13790 /13786	DEF AT last sample examined	DEF IN 3

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 119	<b>Date of Summary:</b> 01-AUG-1999	<b>First Sample Examined:</b> 6680
<b>Lease Number:</b> G14629	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13804
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13799
<b>API Well Number:</b> 608174084700	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6680 - 13790	<b>Water Depth:</b> 2875
<b>Public Info Code:</b> Y 18-DEC-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6680 / 6680	DEF AT first sample examined	DEF AT
6681 / 6681	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
6980 / 6980	DEF AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
7190 / 7190	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9770 / 9768	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10010 /10007	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10310 /10307	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11420 /11417	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11870 /11867	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11990 /11987	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13790 /13786	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 124	Date of Summary: 18-JUN-2004	First Sample Examined: 8040
Lease Number: G24049	Source of Paleo: OPERATOR	Borehole MD: 15729
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15302
API Well Number: 608174101600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8040 - 15728	Water Depth: 4479
Public Info Code: Y 25-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 8040	DEF AT first sample examined	DEF AT 6
8041 / 8041	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8700 / 8700	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
9030 / 9029	DEF AT - - - - -	DEF AT 5
9780 / 9777	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11649 /11488	POS IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
11650 /11489	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12550 /12284	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
12639 /12363	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
12640 /12364	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
13210 /12889	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14620 /14242	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15370 /14959	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
15728 /15301	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 124	Date of Summary: 18-JUN-2004	First Sample Examined: 8040
Lease Number: G24049	Source of Paleo: OPERATOR	Borehole MD: 15729
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15302
API Well Number: 608174101600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8040 - 15728	Water Depth: 4479
Public Info Code: Y 25-AUG-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8040 / 8040	DEF AT first sample examined	DEF AT
8041 / 8041	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
8100 / 8100	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8340 / 8340	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
8700 / 8700	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8940 / 8940	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9000 / 8999	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
9570 / 9568	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10620 /10578	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11290 /11173	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
11590 /11436	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11950 /11753	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13270 /12947	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14560 /14184	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15310 /14901	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15728 /15301	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 126	Date of Summary: 01-DEC-1999	First Sample Examined: 10030
Lease Number: G18194	Source of Paleo: OPERATOR	Borehole MD: 14450
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14443
API Well Number: 608174085900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10030 - 14450	Water Depth: 5308
Public Info Code: Y 12-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10030 /10030	DEF AT first sample examined	DEF AT 4
10031 /10031	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
10149 /10149	DEF AT condensed section	DEF AT 4
10150 /10150	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
10180 /10180	DEF AT faunal change (no faunal increase)	DEF AT 5
10240 /10240	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
10330 /10330	DEF AT faunal change (no faunal increase)	DEF AT 4
10389 /10389	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
10390 /10390	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
10510 /10510	DEF AT local marker foram increase	DEF AT 5
10630 /10630	DEF AT faunal change (no faunal increase)	DEF AT 4
10690 /10690	DEF AT local marker benthic foram increase	DEF AT 4
11110 /11110	DEF AT local marker foram decrease	DEF AT 4
11260 /11260	POS AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 4
11320 /11320	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
11500 /11500	DEF AT faunal change (no faunal increase)	DEF AT 5
11590 /11590	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11650 /11650	DEF AT faunal change (no faunal increase)	DEF AT 4
11890 /11890	DEF AT local marker foram decrease	DEF AT 4
12070 /12070	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12130 /12130	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
12310 /12309	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 126	Date of Summary: 01-DEC-1999	First Sample Examined: 10030
Lease Number: G18194	Source of Paleo: OPERATOR	Borehole MD: 14450
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14443
API Well Number: 608174085900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10030 - 14450	Water Depth: 5308
Public Info Code: Y 12-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12340 /12339	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
12400 /12399	DEF AT faunal change (no faunal increase)	DEF AT 6
12430 /12429	DEF AT faunal change (no faunal increase)	DEF AT 4
12460 /12459	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
12490 /12489	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12730 /12729	DEF AT local marker foram increase	DEF AT 5
12790 /12789	DEF AT faunal change (no faunal increase)	DEF AT 4
13330 /13329	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13450 /13449	DEF AT local marker planktic foram increase	DEF AT 5
13510 /13508	DEF AT faunal change (no faunal increase)	DEF AT 4
13630 /13628	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
13780 /13778	DEF AT local marker planktic foram increase	DEF AT 4
13900 /13897	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14020 /14017	DEF AT local marker foram decrease	DEF AT 4
14450 /14443	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 126	Date of Summary: 01-DEC-1999	First Sample Examined: 10030
Lease Number: G18194	Source of Paleo: OPERATOR	Borehole MD: 14450
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 14443
API Well Number: 608174085900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10030 - 14450	Water Depth: 5308
Public Info Code: Y 12-DEC-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 10031=possible Discoaster prebergrenii, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10030 /10030	DEF AT first sample examined	DEF AT
10031 /10031	POS IN Upper (Late) Miocene	DEF AT
10032 /10032	POS AT reworked material	DEF AT
10180 /10180	DEF IN Upper (Late) Miocene	DEF AT
10420 /10420	DEF AT Middle Miocene (Langhian) Discoaster icarus	DEF AT
10450 /10450	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10510 /10510	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10960 /10960	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11230 /11230	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11231 /11231	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
11530 /11530	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
12340 /12339	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12341 /12340	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12400 /12399	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12490 /12489	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
12500 /12499	DEF AT reworked material	DEF AT
12730 /12729	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
13330 /13329	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
13331 /13330	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
13450 /13449	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
13540 /13538	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 126	<b>Date of Summary:</b> 01-DEC-1999	<b>First Sample Examined:</b> 10030
<b>Lease Number:</b> G18194	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14450
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 14443
<b>API Well Number:</b> 608174085900	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10030 - 14450	<b>Water Depth:</b> 5308
<b>Public Info Code:</b> Y 12-DEC-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13780 /13778	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14450 /14443	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 127	Date of Summary: 01-AUG-1999	First Sample Examined: 7470
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13901
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13896
API Well Number: 608174085100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7470 - 13901	Water Depth: 5423
Public Info Code: Y 26-AUG-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 10110=Discoaster preberggrenii, the poor recovery of flora at the bottom of the original hole and throughout the sidetrack may suggest a lowstand event, supported by the Coccolithus forms found through the interval, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7470 / 7470	DEF AT first sample examined	DEF AT
7530 / 7530	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
7531 / 7531	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7590 / 7590	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
7680 / 7680	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
7681 / 7681	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
8640 / 8640	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9510 / 9510	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9540 / 9540	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
10110 /10110	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10590 /10590	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11130 /11130	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11280 /11280	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11640 /11640	DEF AT local marker floral increase	DEF AT
11730 /11730	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12660 /12659	DEF AT local marker floral decrease	DEF AT
13901 /13896	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 127	Date of Summary: 01-SEP-1999	First Sample Examined: 7470
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13901
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13896
API Well Number: 608174085100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7470 - 13901	Water Depth: 5423
Public Info Code: Y 26-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7470 / 7470	DEF AT first sample examined	DEF AT 4
7530 / 7530	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
7620 / 7620	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
8520 / 8520	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
8550 / 8550	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
8700 / 8700	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
8820 / 8820	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
9090 / 9090	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
9750 / 9750	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
9870 / 9870	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
9900 / 9900	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
10050 /10050	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
10829 /10829	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 5
10830 /10830	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
10890 /10890	DEF AT local marker benthic foram increase	DEF AT 5
11100 /11100	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11130 /11130	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
11400 /11400	DEF AT faunal change (no faunal increase)	DEF AT 4
11550 /11550	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11670 /11670	DEF AT faunal change (no faunal increase)	DEF AT 5
11700 /11700	DEF AT reworked material	DEF AT 5
11730 /11730	DEF AT Bathysiphon fauna	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 127  
Lease Number: G19925  
Well Name: 001  
API Well Number: 608174085100  
Paleo Report Num: 2 of 2  
Public Info Code: Y 26-AUG-2009

Date of Summary: 01-SEP-1999  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 7470 - 13901  
Ecozone Eq MMS: Y

First Sample Examined: 7470  
Borehole MD: 13901  
Borehole TVD: 13896  
Rkb Elevation: 78  
Water Depth: 5423  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11760 /11760	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
11940 /11940	DEF AT faunal change (no faunal increase)	DEF AT 5
11970 /11970	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
12060 /12060	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
12150 /12150	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12300 /12299	DEF AT faunal change (no faunal increase)	DEF AT 4
12360 /12359	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
12540 /12539	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13530 /13527	DEF AT faunal change (no faunal increase)	POS AT 4
13901 /13896	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 127	<b>Date of Summary:</b> 01-AUG-1999	<b>First Sample Examined:</b> 12700
<b>Lease Number:</b> G19925	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14677
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 14667
<b>API Well Number:</b> 608174085101	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12700 - 14677	<b>Water Depth:</b> 5423
<b>Public Info Code:</b> Y 05-SEP-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, the poor recovery of flora at the bottom of the original hole and throughout the sidetrack may suggest a lowstand event, supported by the coccolith forms found through the interval, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12700 /12698	DEF AT first sample examined	DEF AT
13390 /13384	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14530 /14521	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14677 /14667	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 127	<b>Date of Summary:</b> 01-SEP-1999	<b>First Sample Examined:</b> 13720
<b>Lease Number:</b> G19925	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14677
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 14667
<b>API Well Number:</b> 608174085101	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12700 - 14677	<b>Water Depth:</b> 5423
<b>Public Info Code:</b> Y 05-SEP-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** 14410=Cyclammina 4 acme

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13720 /13713	DEF AT first sample examined	POS AT 4
13960 /13952	DEF AT faunal change (no faunal increase)	DEF AT 4
14409 /14400	DEF AT Cyclammina sp. (local marker)	DEF AT 4
14410 /14401	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
14560 /14551	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
14620 /14610	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
14677 /14667	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 127	<b>Date of Summary:</b> 01-SEP-1999	<b>First Sample Examined:</b> 12490
<b>Lease Number:</b> G19925	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16356
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 14549
<b>API Well Number:</b> 608174085102	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12490 - 16356	<b>Water Depth:</b> 5423
<b>Public Info Code:</b> Y 16-SEP-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12490 /12417	DEF AT first sample examined	DEF AT
13390 /13008	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14350 /13506	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14380 /13522	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
14470 /13568	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14500 /13583	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16356 /14549	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 127	Date of Summary: 01-OCT-1999	First Sample Examined: 12550
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 16356
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14549
API Well Number: 608174085102	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 11800 - 16356	Water Depth: 5423
Public Info Code: Y 16-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11800 /11795	DEF AT first sample examined	DEF AT 4
12550 /12466	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12610 /12513	DEF AT local marker foram increase	DEF AT 5
12790 /12646	DEF AT faunal change (no faunal increase)	DEF AT 4
13210 /12911	DEF AT faunal change (no faunal increase)	POS AT 4
13600 /13115	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13660 /13147	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
13809 /13225	DEF AT pyrite	DEF AT 4
13810 /13225	DEF AT local marker foram decrease	DEF AT 4
14350 /13506	DEF AT local marker foram increase	DEF AT 5
14410 /13537	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
14530 /13598	DEF AT faunal change (no faunal increase)	DEF AT 4
15910 /14328	POS AT Arenaceous fauna (local marker)	DEF AT 4
16300 /14522	DEF AT Eggerella sp. (local marker)	DEF AT 4
16356 /14549	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 127	Date of Summary: 01-NOV-1999	First Sample Examined: 10350
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13762
Well Name: 002	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13759
API Well Number: 608174085500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10350 - 13762	Water Depth: 5468
Public Info Code: Y 25-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10350 /10350	DEF AT first sample examined	DEF AT
10351 /10351	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10440 /10440	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10740 /10740	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10980 /10980	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10981 /10981	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
11130 /11130	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11160 /11160	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11190 /11190	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
11430 /11430	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
11580 /11580	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11730 /11730	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
11790 /11789	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12360 /12359	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
12361 /12360	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12600 /12599	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
12630 /12629	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
13762 /13759	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 127	Date of Summary: 01-JAN-2000	First Sample Examined: 13762
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13762
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13759
API Well Number: 608174085500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10350 - 13762	Water Depth: 5468
Public Info Code: Y 25-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10350 /10350	DEF AT first sample examined	DEF AT 4
10470 /10470	DEF IN Upper Miocene (Tortonian) <i>Uvigerina carapitana</i>	DEF AT 4
10590 /10590	DEF AT faunal change (no faunal increase)	DEF AT 5
10739 /10739	POS AT condensed section	DEF AT 5
10740 /10740	DEF AT Upper Miocene (Tortonian) <i>Cibicides crebbsi</i>	DEF AT 5
10770 /10770	DEF AT local marker foram increase	DEF AT 5
10950 /10950	DEF AT local marker foram increase	DEF AT 5
11070 /11070	DEF AT faunal change (no faunal increase)	DEF AT 4
11310 /11310	DEF AT local marker foram increase	DEF AT 4
11430 /11430	DEF AT faunal change (no faunal increase)	DEF AT 5
11790 /11789	DEF AT local marker benthic foram increase	DEF AT 4
11850 /11849	DEF IN Upper Miocene (Tortonian) <i>Textularia "L"</i>	DEF AT 4
11910 /11909	POS AT Upper Miocene (Tortonian) <i>Uvigerina 3</i>	DEF AT 4
11970 /11969	DEF AT Bathysiphon fauna	DEF AT 4
12330 /12329	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi robusta</i>	DEF AT 4
12450 /12449	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12510 /12509	DEF AT local marker foram increase	DEF AT 5
12600 /12599	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi lobata</i>	DEF AT 6
12690 /12689	DEF AT faunal change (no faunal increase)	DEF AT 4
13560 /13558	DEF AT <i>Cyclammina cancellata</i> (local marker)	DEF AT 4
13762 /13759	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 127	Date of Summary: 05-JUL-2001	First Sample Examined: 12990
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 15205
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14155
API Well Number: 608174093000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 12990 - 14250	Water Depth: 5422
Public Info Code: Y 08-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12990 /12588	DEF AT first sample examined	DEF AT
12991 /12588	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT
13770 /13144	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14189 /13446	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
14190 /13447	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
14250 /13490	DEF AT last sample examined	DEF AT 4



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 127	Date of Summary: 27-JUN-2001	First Sample Examined: 11990
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 14665
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 13661
API Well Number: 608174092700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 11990 - 14665	Water Depth: 5422
Public Info Code: Y 24-JUN-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 /11528	DEF AT first sample examined	DEF AT
11991 /11528	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12380 /11835	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12800 /12170	DEF AT -----	DEF AT 4
12830 /12194	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 4
12920 /12267	DEF AT -----	DEF AT 4
13250 /12531	DEF AT -----	DEF AT 4
13379 /12635	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
13380 /12635	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
13480 /12716	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13570 /12787	DEF AT -----	DEF AT 5
14665 /13660	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 154	Date of Summary: 07-JAN-1998	First Sample Examined: 0
Lease Number: G18196	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11994
API Well Number: 608174058200	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1700
Public Info Code: Y 31-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3350 / 3350	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7430 / 7429	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11450 / 11446	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 162	Date of Summary: 05-JAN-2010	First Sample Examined: 8400
Lease Number: G21746	Source of Paleo: OPERATOR	Borehole MD: 11218
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11075
API Well Number: 608174117400	Drilling Operator: DEEP GULF ENERGY LP	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8400 - 11220	Water Depth: 3266
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8400 / 8400	DEF AT first sample examined	DEF AT 6
8401 / 8401	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 6
8610 / 8610	POS AT maximum flooding surface	DEF AT 6
8670 / 8670	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
8700 / 8699	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8880 / 8878	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
9000 / 8995	POS AT maximum flooding surface	DEF AT 6
9030 / 9024	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
9329 / 9309	POS AT maximum flooding surface	DEF AT 6
9330 / 9310	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
9660 / 9607	POS AT maximum flooding surface	DEF AT 6
10080 / 9988	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
11217 /11074	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
11218 /11075	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 173	Date of Summary: 15-NOV-2001	First Sample Examined: 8870
Lease Number: G09790	Source of Paleo: OPERATOR	Borehole MD: 12670
Well Name: SS002	Paleo Done By: OPERATOR	Borehole TVD: 11866
API Well Number: 608174090900	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 8870 - 12670	Water Depth: 6390
Public Info Code: Y 31-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8870 / 8870	DEF AT first sample examined	DEF AT
8960 / 8960	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9000 / 9000	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10010 /10000	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10640 /10592	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11480 /11201	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12350 /11686	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12670 /11866	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 194	Date of Summary: 19-JUN-2002	First Sample Examined: 7387
Lease Number: G02639	Source of Paleo: OPERATOR	Borehole MD: 11461
Well Name: A018	Paleo Done By: OPERATOR	Borehole TVD: 8906
API Well Number: 608174010501	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 7387 - 11200	Water Depth: 1024
Public Info Code: Y 10-FEB-2000	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7387 / 6686	DEF AT first sample examined	DEF AT 4
7573 / 6794	DEF AT - - - - -	DEF IN 3
7697 / 6862	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
7759 / 6896	DEF AT local marker foram increase	DEF AT 4
7888 / 6965	DEF AT local marker (general)	DEF AT 4
7919 / 6982	DEF AT local marker foram increase	DEF AT 4
8156 / 7110	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
8829 / 7471	DEF AT local marker foram increase	DEF AT 4
9108 / 7620	DEF AT local marker foram increase	DEF AT 4
9139 / 7637	DEF AT local marker foram increase	DEF AT 4
9723 / 7949	DEF AT local marker foram increase	DEF AT 4
9939 / 8068	DEF AT local marker foram increase	DEF AT 4
10348 / 8286	DEF AT - - - - -	DEF IN 3
10411 / 8320	DEF AT - - - - -	DEF AT 4
10590 / 8414	DEF AT local marker foram increase	DEF AT 4
10741 / 8493	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
10802 / 8525	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
10863 / 8557	DEF AT local marker foram increase	DEF AT 4
11200 / 8749	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 194	<b>Date of Summary:</b> 04-SEP-2002	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G02639	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17041
<b>Well Name:</b> A024	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 13101
<b>API Well Number:</b> 608174011402	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 129
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6000 - 17040	<b>Water Depth:</b> 1024
<b>Public Info Code:</b> Y 15-OCT-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Josephine Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5206	DEF AT first sample examined	DEF AT
6660 / 5624	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8700 / 6839	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11970 / 8869	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
12240 / 9064	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
13800 /10351	POS IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
15120 /11404	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15390 /11634	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16920 /12993	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17040 /13100	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 194	Date of Summary: 19-OCT-2002	First Sample Examined: 6000
Lease Number: G02639	Source of Paleo: OPERATOR	Borehole MD: 17041
Well Name: A024	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13101
API Well Number: 608174011402	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 129
Paleo Report Num: 2 of 2	Sample Range: 6000 - 17040	Water Depth: 1024
Public Info Code: Y 15-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Josephine Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5206	DEF AT first sample examined	DEF IN 2
6090 / 5263	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
6120 / 5282	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
6150 / 5301	DEF AT -----	DEF AT 4
6180 / 5321	DEF AT -----	DEF AT 3
6750 / 5678	DEF AT -----	DEF AT 4
6930 / 5786	DEF AT -----	DEF AT 3
6990 / 5822	DEF AT local marker foram increase	DEF AT 3
7080 / 5875	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
7650 / 6204	DEF AT -----	DEF AT 2
8700 / 6839	DEF AT local marker foram increase	DEF AT 2
8790 / 6895	DEF AT -----	DEF IN 2
8820 / 6914	DEF AT -----	DEF AT 2
9390 / 7273	DEF AT -----	DEF IN 2
9420 / 7291	DEF AT -----	DEF AT 3
9480 / 7329	DEF AT -----	DEF IN 2
9510 / 7348	DEF AT -----	DEF AT 3
9540 / 7367	DEF AT local marker foram increase	DEF IN 2
9630 / 7423	DEF AT -----	DEF AT 3
10140 / 7740	DEF AT -----	DEF AT 2
11220 / 8394	DEF AT local marker foram increase	DEF IN 2
11790 / 8750	DEF AT local marker foram increase	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 194	Date of Summary: 19-OCT-2002	First Sample Examined: 6000
Lease Number: G02639	Source of Paleo: OPERATOR	Borehole MD: 17041
Well Name: A024	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13101
API Well Number: 608174011402	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 129
Paleo Report Num: 2 of 2	Sample Range: 6000 - 17040	Water Depth: 1024
Public Info Code: Y 15-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12029 / 8910	DEF AT local marker foram increase	DEF AT 3
12030 / 8911	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
12090 / 8953	DEF AT -----	DEF IN 3
12180 / 9019	DEF AT -----	DEF AT 3
12240 / 9064	DEF AT -----	DEF IN 2
12330 / 9134	DEF AT -----	DEF AT 3
12480 / 9252	DEF AT sand	DEF IN 2
12990 / 9675	DEF AT -----	DEF AT 3
13170 / 9823	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
13320 / 9948	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
13560 /10149	DEF AT -----	DEF IN 3
13590 /10174	DEF AT -----	DEF AT 4
13650 /10225	DEF AT limestone	DEF AT 4
13710 /10275	DEF AT -----	DEF IN 3
14460 /10884	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
14700 /11073	DEF AT -----	DEF AT 3
14790 /11143	DEF AT -----	DEF AT 4
14940 /11260	DEF AT local marker foram increase	DEF AT 4
15240 /11504	DEF AT limestone	DEF IN 3
15330 /11582	DEF AT -----	DEF AT 4
15349 /11599	DEF AT -----	DEF IN 3
15420 /11660	DEF AT local marker foram increase	DEF IN 3
15480 /11713	DEF AT -----	DEF AT 4
15570 /11792	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 194  
Lease Number: G02639  
Well Name: A024  
API Well Number: 608174011402  
Paleo Report Num: 2 of 2  
Public Info Code: Y 15-OCT-2012

Date of Summary: 19-OCT-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 6000 - 17040  
Ecozone Eq MMS: Y

First Sample Examined: 6000  
Borehole MD: 17041  
Borehole TVD: 13101  
Rkb Elevation: 129  
Water Depth: 1024  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15690 /11897	DEF AT -----	DEF AT 3
15720 /11923	DEF AT -----	DEF AT 4
15810 /12003	DEF AT -----	DEF AT 3
15840 /12029	DEF AT turbid water facies	POS AT 3
16440 /12566	DEF AT turbid water facies	DEF AT 3
16770 /12860	DEF AT -----	DEF AT 3
16800 /12887	DEF AT -----	DEF AT 4
16890 /12967	DEF AT -----	DEF AT 3
16920 /12993	DEF AT -----	DEF AT 4
16980 /13047	DEF AT -----	DEF AT 3
17010 /13073	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 199	<b>Date of Summary:</b> 26-JAN-2001	<b>First Sample Examined:</b> 4770
<b>Lease Number:</b> G18199	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6408
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6408
<b>API Well Number:</b> 608174087700	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4770 - 6407	<b>Water Depth:</b> 2528
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4770 / 4770	DEF AT first sample examined	DEF AT
4771 / 4771	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
5460 / 5460	POS IN Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
6150 / 6150	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6407 / 6407	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 199	Date of Summary: 26-JAN-2001	First Sample Examined: 4770
Lease Number: G18199	Source of Paleo: OPERATOR	Borehole MD: 6408
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6408
API Well Number: 608174087700	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 4770 - 6407	Water Depth: 2528
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4770 / 4770	DEF AT first sample examined	DEF AT 5
4920 / 4920	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
5400 / 5400	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
5460 / 5460	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
6407 / 6407	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 199	Date of Summary: 26-JAN-2001	First Sample Examined: 5580
Lease Number: G32301	Source of Paleo: OPERATOR	Borehole MD: 8025
Well Name: SS003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8020
API Well Number: 608174087703	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 5580 - 8025	Water Depth: 2528
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5580 / 5577	DEF AT first sample examined	DEF AT 5
7170 / 7165	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
8025 / 8020	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 204	Date of Summary: 08-APR-2006	First Sample Examined: 9730
Lease Number: G24054	Source of Paleo: OPERATOR	Borehole MD: 23365
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23348
API Well Number: 608174107600	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 9730 - 23365	Water Depth: 3334
Public Info Code: Y 19-AUG-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9730 / 9730	DEF AT first sample examined	DEF IN 5
9760 / 9760	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF IN 5
9790 / 9790	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
9820 / 9820	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
9970 / 9970	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
10150 /10150	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
11470 /11470	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
11500 /11500	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
11560 /11560	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF IN 5
12459 /12458	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
12460 /12459	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
12489 /12488	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5
12490 /12489	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
13300 /13299	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
13388 /13387	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF IN 5
13389 /13388	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
13390 /13389	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
13540 /13539	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
14170 /14169	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
15100 /15099	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
15130 /15129	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
15880 /15879	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 204	Date of Summary: 08-APR-2006	First Sample Examined: 9730
Lease Number: G24054	Source of Paleo: OPERATOR	Borehole MD: 23365
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23348
API Well Number: 608174107600	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 9730 - 23365	Water Depth: 3334
Public Info Code: Y 19-AUG-2013	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16370 /16369	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
16879 /16878	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
16880 /16879	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
16910 /16909	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF IN 5
18349 /18348	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
18350 /18349	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
18560 /18558	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF IN 5
18680 /18678	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 5
19550 /19548	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
20840 /20835	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
20960 /20955	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
20988 /20983	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
20989 /20984	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
20990 /20985	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
21739 /21731	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
21740 /21732	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
23060 /23047	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
23147 /23133	POS AT unconformity	DEF IN 5
23148 /23134	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF IN 5
23149 /23135	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF IN 5
23150 /23136	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF IN 5
23270 /23254	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
23365 /23348	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 205	<b>Date of Summary:</b> 11-JAN-2002	<b>First Sample Examined:</b> 5525
<b>Lease Number:</b> G22864	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9054
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8628
<b>API Well Number:</b> 608174095600	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5525 - 9070	<b>Water Depth:</b> 3771
<b>Public Info Code:</b> Y 28-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5525 / 5525	DEF AT first sample examined	DEF AT
5526 / 5526	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6040 / 6038	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6190 / 6185	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7330 / 7189	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
7900 / 7670	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
8710 / 8353	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9070 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 205	Date of Summary: 15-JAN-2002	First Sample Examined: 5525
Lease Number: G22864	Source of Paleo: OPERATOR	Borehole MD: 9054
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8628
API Well Number: 608174095600	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 5525 - 9070	Water Depth: 3771
Public Info Code: Y 28-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5525 / 5525	DEF AT first sample examined	DEF AT 5
5526 / 5526	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6490 / 6470	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7990 / 7748	DEF AT - - - - -	DEF AT 6
8140 / 7878	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9070 /	DEF AT last sample examined	DEF AT 6



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 211	Date of Summary: 11-MAR-1997	First Sample Examined: 9640
Lease Number: G08801	Source of Paleo: OPERATOR	Borehole MD: 17816
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15840
API Well Number: 608174056900	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9640 - 17750	Water Depth: 4270
Public Info Code: Y 23-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
9640 / 9638	DEF AT first sample examined	DEF AT
9641 / 9639	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9700 / 9698	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10300 /10298	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10380 /10378	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10749 /10746	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11789 /11745	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11790 /11746	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
12239 /12071	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12240 /12071	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14520 /13509	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14580 /13548	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
15330 /14031	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15630 /14224	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
17180 /15298	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
17360 /15446	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17750 /15782	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 211	Date of Summary: 27-JUL-1990	First Sample Examined: 8050
Lease Number: G08803	Source of Paleo: OPERATOR	Borehole MD: 14670
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14665
API Well Number: 608174037300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 3	Sample Range: 8050 - 14670	Water Depth: 4356
Public Info Code: Y 24-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8050 / 8049	DEF AT first sample examined	DEF AT 6
8051 / 8050	DEF IN salt	DEF AT 6
8829 / 8828	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
8830 / 8829	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
10600 /10599	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
10660 /10659	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
11020 /11018	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
11800 /11798	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
11830 /11828	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
11860 /11858	DEF AT - - - - -	DEF AT 7
11950 /11948	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 7
12160 /12158	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 7
12280 /12278	DEF AT - - - - -	DEF AT 6
13780 /13775	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
14080 /14075	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
14200 /14195	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
14290 /14285	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
14670 /14665	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 217	Date of Summary: 01-DEC-1994	First Sample Examined: 8130
Lease Number: G09790	Source of Paleo: OPERATOR	Borehole MD: 15981
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14300
API Well Number: 608174049700	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 47
Paleo Report Num: 1 of 3	Sample Range: 8130 - 14550	Water Depth: 6420
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8130 / 8130	DEF AT first sample examined	POS AT 5
8131 / 8131	DEF AT cement	POS AT 5
8189 / 8189	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8190 / 8190	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
8219 / 8219	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
8220 / 8220	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
8460 / 8460	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 5
8730 / 8730	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
8760 / 8760	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
9330 / 9327	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10860 /10581	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
11070 /10727	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
11460 /10994	POS IN Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
12060 /11395	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 6
12600 /11753	DEF AT Bathysiphon fauna	DEF AT 6
12870 /11946	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
12930 /11990	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
12960 /12012	DEF AT pyrite	DEF AT 6
13470 /12398	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 6
13890 /12718	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 6
14250 /12987	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
14460 /13145	DEF AT Eggerella sp. (local marker)	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 217	Date of Summary: 01-DEC-1994	First Sample Examined: 8130
Lease Number: G09790	Source of Paleo: OPERATOR	Borehole MD: 15981
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14300
API Well Number: 608174049700	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 47
Paleo Report Num: 1 of 3	Sample Range: 8130 - 14550	Water Depth: 6420
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14550 /13212	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 217	<b>Date of Summary:</b> 01-DEC-1994	<b>First Sample Examined:</b> 13200
<b>Lease Number:</b> G09790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15981
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14300
<b>API Well Number:</b> 608174049700	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 47
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 13200 - 15981	<b>Water Depth:</b> 6420
<b>Public Info Code:</b> Y 29-NOV-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Sidetrack report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13200 /12193	DEF AT first sample examined	DEF AT 6
13350 /12307	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
14189 /12941	POS AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 6
14190 /12942	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
15981 /14300	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 217	Date of Summary: 01-DEC-1994	First Sample Examined: 8130
Lease Number: G09790	Source of Paleo: OPERATOR	Borehole MD: 15981
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14300
API Well Number: 608174049700	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 47
Paleo Report Num: 3 of 3	Sample Range: 8130 - 14550	Water Depth: 6420
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8130 / 8130	DEF AT first sample examined	DEF AT
8189 / 8189	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8190 / 8190	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8310 / 8310	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8370 / 8370	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
8549 / 8549	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
8550 / 8550	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8730 / 8730	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
8760 / 8760	DEF AT Upper Miocene (Messinian) Discoaster variabilis (downdip)	DEF AT
8970 / 8970	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9060 / 9060	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9270 / 9268	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
9480 / 9473	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10739 /10496	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10740 /10497	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13260 /12238	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13320 /12284	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
13380 /12330	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13680 /12558	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13769 /12626	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
13770 /12627	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14310 /13032	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 217	<b>Date of Summary:</b> 01-DEC-1994	<b>First Sample Examined:</b> 8130
<b>Lease Number:</b> G09790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15981
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14300
<b>API Well Number:</b> 608174049700	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 47
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 8130 - 14550	<b>Water Depth:</b> 6420
<b>Public Info Code:</b> Y 29-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14460 /13145	POS AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
14550 /13212	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 217	<b>Date of Summary:</b> 15-NOV-2001	<b>First Sample Examined:</b> 8962
<b>Lease Number:</b> G09790	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14860
<b>Well Name:</b> SS003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13100
<b>API Well Number:</b> 608174091000	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8962 - 14860	<b>Water Depth:</b> 6407
<b>Public Info Code:</b> Y 15-FEB-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8962 / 8962	DEF AT first sample examined	DEF AT
8963 / 8963	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
9050 / 9050	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10040 /10030	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10730 /10666	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11390 /11153	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
12350 /11697	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13790 /12498	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14240 /12749	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14510 /12904	POS AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
14860 /13100	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 4908
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8964
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8400
API Well Number: 608174084200	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 4908 - 8965	Water Depth: 2805
Public Info Code: Y 19-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4908 / 4907	DEF AT first sample examined	DEF AT
4909 / 4908	DEF AT cement	DEF AT
5360 / 5358	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
5390 / 5388	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5
8120 / 7797	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8965 /	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 243	<b>Date of Summary:</b> 07-MAY-1999	<b>First Sample Examined:</b> 4908
<b>Lease Number:</b> G19931	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8964
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8400
<b>API Well Number:</b> 608174084200	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4908 - 8965	<b>Water Depth:</b> 2805
<b>Public Info Code:</b> Y 19-APR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4908 / 4907	DEF AT first sample examined	DEF AT
5360 / 5358	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6920 / 6903	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8750 / 8247	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8965 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 243	<b>Date of Summary:</b> 07-MAY-1999	<b>First Sample Examined:</b> 6650
<b>Lease Number:</b> G19931	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8715
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8112
<b>API Well Number:</b> 608174084201	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6650 - 8035	<b>Water Depth:</b> 2805
<b>Public Info Code:</b> Y 25-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6646	DEF AT first sample examined	DEF IN 5
8035 / 7728	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 6650
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8715
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8112
API Well Number: 608174084201	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 6650 - 8035	Water Depth: 2805
Public Info Code: Y 25-APR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, core samples also analyzed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6646	DEF AT first sample examined	DEF AT
6950 / 6930	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8035 / 7728	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 6650
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8035
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7867
API Well Number: 608174084202	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 6650 - 8035	Water Depth: 2805
Public Info Code: Y 12-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6646	DEF AT first sample examined	DEF AT 5
8035 / 7867	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 243	<b>Date of Summary:</b> 07-MAY-1999	<b>First Sample Examined:</b> 6650
<b>Lease Number:</b> G19931	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8035
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7867
<b>API Well Number:</b> 608174084202	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6650 - 8035	<b>Water Depth:</b> 2805
<b>Public Info Code:</b> Y 12-MAY-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Interim calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6646	DEF AT first sample examined	DEF AT
6950 / 6943	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8035 / 7867	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 243	<b>Date of Summary:</b> 05-AUG-1999	<b>First Sample Examined:</b> 4930
<b>Lease Number:</b> G19931	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8165
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8165
<b>API Well Number:</b> 608174085000	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4930 - 8165	<b>Water Depth:</b> 2835
<b>Public Info Code:</b> Y 26-AUG-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4930 / 4930	DEF AT first sample examined	DEF AT 5
5050 / 5050	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
5200 / 5200	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
5440 / 5440	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
6280 / 6280	DEF AT -----	DEF AT 4
7810 / 7810	DEF AT -----	DEF AT 5
8165 / 8165	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 243	Date of Summary: 14-OCT-1999	First Sample Examined: 5180
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 13056
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13055
API Well Number: 608174085400	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5180 - 13056	Water Depth: 3085
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5180 / 5180	DEF AT first sample examined	DEF AT 5
5181 / 5181	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
5330 / 5330	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
5420 / 5420	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
7610 / 7610	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11180 /11179	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
12230 /12229	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
13056 /13055	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 243	Date of Summary: 14-OCT-1999	First Sample Examined: 5180
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 13056
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13055
API Well Number: 608174085400	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 5180 - 13056	Water Depth: 3085
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5180 / 5180	DEF AT first sample examined	DEF AT
5181 / 5181	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
5360 / 5360	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
5750 / 5750	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5810 / 5810	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
7550 / 7550	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8960 / 8960	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11180 /11179	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13056 /13055	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 243	Date of Summary: 23-MAY-2002	First Sample Examined: 5370
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 10770
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10497
API Well Number: 608174096600	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 3	Sample Range: 5370 - 10770	Water Depth: 2816
Public Info Code: Y 28-MAY-2012	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5370 / 5369	DEF AT first sample examined	DEF AT 5
5371 / 5370	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
5400 / 5399	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
6570 / 6533	DEF AT - - - - -	DEF AT 4
6900 / 6823	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
8130 / 7913	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
8190 / 7968	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9780 / 9507	DEF AT - - - - -	DEF AT 4
10770 /10497	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 243	<b>Date of Summary:</b> 24-MAY-2002	<b>First Sample Examined:</b> 5370
<b>Lease Number:</b> G19931	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10770
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10497
<b>API Well Number:</b> 608174096600	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 5370 - 10770	<b>Water Depth:</b> 2816
<b>Public Info Code:</b> Y 28-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5370 / 5369	DEF AT first sample examined	DEF AT 5
5371 / 5370	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
5400 / 5399	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
6570 / 6533	DEF AT -----	DEF AT 4
8130 / 7913	DEF AT -----	DEF AT 5
8190 / 7968	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9780 / 9507	DEF AT -----	DEF AT 4
10770 / 10497	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 243	Date of Summary: 24-MAY-2002	First Sample Examined: 5370
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 10770
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10497
API Well Number: 608174096600	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 73
Paleo Report Num: 3 of 3	Sample Range: 5370 - 10770	Water Depth: 2816
Public Info Code: Y 28-MAY-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5370 / 5369	DEF AT first sample examined	DEF AT
5371 / 5370	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6900 / 6823	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8130 / 7913	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10770 / 10497	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 247	Date of Summary: 20-FEB-1998	First Sample Examined: 5660
Lease Number: G13682	Source of Paleo: OPERATOR	Borehole MD: 10976
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10975
API Well Number: 608174058300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5660 - 10970	Water Depth: 3030
Public Info Code: Y 08-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 10700=local Orbulina increase, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5660 /	DEF AT first sample examined	DEF AT 2
5661 /	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 2
5750 /	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 2
5810 /	DEF AT faunal change (no faunal increase)	DEF AT 3
5839 /	DEF AT local marker foram decrease	DEF AT 3
5840 /	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
5870 /	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 3
5930 /	DEF AT faunal change (no faunal increase)	DEF AT 4
6260 /	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 4
6290 /	DEF AT faunal change (no faunal increase)	DEF IN 3
6410 /	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
6470 /	DEF AT local marker foram increase	DEF AT 4
6890 /	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
6950 /	DEF AT local marker foram decrease	DEF AT 4
7100 /	POS AT local marker foram increase	DEF AT 4
7310 /	DEF AT sand	DEF AT 3
7370 /	DEF AT local marker foram increase	DEF AT 4
7460 /	DEF AT local marker foram increase	DEF AT 4
7820 /	DEF AT local marker foram increase	DEF AT 4
8030 /	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 4
8120 /	DEF AT faunal change (no faunal increase)	DEF AT 4
8360 /	DEF AT faunal change (no faunal increase)	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 247	Date of Summary: 20-FEB-1998	First Sample Examined: 5660
Lease Number: G13682	Source of Paleo: OPERATOR	Borehole MD: 10976
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10975
API Well Number: 608174058300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5660 - 10970	Water Depth: 3030
Public Info Code: Y 08-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8930 /	DEF AT faunal change (no faunal increase)	DEF AT 4
9020 /	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
9590 /	DEF AT faunal change (no faunal increase)	DEF IN 3
9890 /	DEF AT local marker foram increase	DEF AT 4
10100 /	DEF AT faunal change (no faunal increase)	DEF IN 3
10310 /	DEF AT local marker foram increase	DEF AT 4
10400 /	DEF AT local marker foram increase	DEF AT 4
10550 /	DEF AT faunal change (no faunal increase)	DEF IN 3
10700 /	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
10790 /	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
10970 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 247	Date of Summary: 23-FEB-1998	First Sample Examined: 5660
Lease Number: G13682	Source of Paleo: OPERATOR	Borehole MD: 10976
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10975
API Well Number: 608174058300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5660 - 10976	Water Depth: 3030
Public Info Code: Y 08-JUN-2001	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5660 /	DEF AT first sample examined	DEF AT
5661 /	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5780 /	DEF AT local marker floral increase	DEF AT
5899 /	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5900 /	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6350 /	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
6889 /	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6890 /	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
7250 /	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT
7790 /	DEF AT local marker floral increase	DEF AT
8030 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9050 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9920 /	DEF AT local marker floral increase	DEF AT
10280 /	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10400 /	DEF AT out-of-place section	DEF AT
10700 /	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10760 /	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10976 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 247	Date of Summary: 20-FEB-1998	First Sample Examined: 10088
Lease Number: G13682	Source of Paleo: OPERATOR	Borehole MD: 23815
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23798
API Well Number: 608174058301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 10088 - 23814	Water Depth: 3030
Public Info Code: Y 08-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10088 /10087	DEF AT first sample examined	POS AT 2
10089 /10088	DEF IN Upper (Late) Miocene	POS AT 2
10130 /10129	DEF AT faunal change (no faunal increase)	DEF AT 2
10190 /10189	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
10250 /10249	DEF AT local marker foram increase	DEF AT 3
10370 /10369	DEF AT local marker foram increase	DEF AT 3
10550 /10548	DEF AT local marker foram increase	DEF AT 4
10700 /10698	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
11060 /11058	DEF AT local marker foram increase	DEF AT 4
11210 /11208	DEF AT local marker foram increase	DEF AT 4
11450 /11448	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 4
11660 /11658	DEF AT faunal change (no faunal increase)	DEF AT 3
11780 /11778	DEF AT faunal change (no faunal increase)	DEF AT 4
11810 /11808	DEF AT reworked material	DEF AT 4
11870 /11868	DEF AT pyrite	DEF AT 4
11900 /11898	DEF AT reworked material	DEF AT 4
11930 /11928	DEF AT faunal change (no faunal increase)	DEF AT 3
12200 /12198	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12560 /12558	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13250 /13248	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13730 /13728	DEF AT Bathysiphon fauna	DEF AT 3
13910 /13908	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 247	Date of Summary: 20-FEB-1998	First Sample Examined: 10088
Lease Number: G13682	Source of Paleo: OPERATOR	Borehole MD: 23815
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23798
API Well Number: 608174058301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 10088 - 23814	Water Depth: 3030
Public Info Code: Y 08-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 /14058	DEF AT faunal change (no faunal increase)	DEF AT 4
14180 /14178	DEF AT Arenaceous fauna (local marker)	DEF AT 3
14360 /14358	DEF AT local marker planktic foram increase	DEF AT 4
14480 /14478	DEF AT faunal change (no faunal increase)	DEF AT 3
14540 /14538	DEF AT Arenaceous fauna (local marker)	DEF AT 3
14720 /14718	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
15080 /15078	DEF AT faunal change (no faunal increase)	DEF AT 3
15500 /15498	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
15800 /15798	DEF AT local marker foram increase	DEF AT 4
15950 /15947	DEF IN Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 4
16190 /16187	DEF AT Arenaceous fauna (local marker)	DEF AT 3
16309 /16306	DEF AT dolomite	DEF AT 3
16310 /16307	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
16490 /16487	DEF AT local marker foram increase	DEF AT 4
16670 /16667	DEF AT local marker foram increase	DEF AT 4
16820 /16817	DEF AT faunal change (no faunal increase)	DEF AT 3
17030 /17027	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
17120 /17117	DEF AT Arenaceous fauna (local marker)	DEF AT 3
17720 /17716	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17810 /17806	DEF AT limestone	DEF AT 4
17990 /17986	DEF AT local marker foram increase	DEF AT 4
18050 /18046	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
18170 /18166	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
18350 /18346	DEF AT faunal change (no faunal increase)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 247	Date of Summary: 20-FEB-1998	First Sample Examined: 10088
Lease Number: G13682	Source of Paleo: OPERATOR	Borehole MD: 23815
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23798
API Well Number: 608174058301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 10088 - 23814	Water Depth: 3030
Public Info Code: Y 08-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18560 /18555	DEF AT local marker foram increase	DEF AT 4
18620 /18615	DEF AT faunal change (no faunal increase)	DEF AT 3
19040 /19035	DEF AT local marker foram increase	DEF AT 3
19070 /19065	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
19760 /19755	DEF AT faunal change (no faunal increase)	DEF AT 3
20000 /19994	DEF AT local marker foram increase	DEF AT 4
20270 /20264	DEF AT faunal change (no faunal increase)	DEF AT 3
21740 /21733	DEF AT Arenaceous fauna (local marker)	DEF AT 3
21860 /21852	DEF AT local marker foram increase	DEF AT 4
21920 /21912	DEF AT faunal change (no faunal increase)	DEF AT 3
21950 /21942	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
22130 /22122	DEF AT local marker foram increase	DEF AT 4
22190 /22182	DEF AT faunal change (no faunal increase)	DEF AT 3
22400 /22392	DEF AT local marker foram increase	DEF AT 4
22490 /22482	DEF AT local marker foram increase	DEF AT 4
22760 /22751	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22850 /22841	DEF AT faunal change (no faunal increase)	DEF AT 3
22940 /22930	POS AT local marker planktic foram increase	DEF AT 3
23030 /23020	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
23060 /23050	DEF AT faunal change (no faunal increase)	DEF AT 4
23120 /23109	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
23180 /23169	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
23210 /23198	DEF AT limestone	DEF AT 4
23360 /23347	DEF AT Oligocene Anahuac Formation/Provincial Stage	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 247	<b>Date of Summary:</b> 20-FEB-1998	<b>First Sample Examined:</b> 10088
<b>Lease Number:</b> G13682	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23815
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23798
<b>API Well Number:</b> 608174058301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10088 - 23814	<b>Water Depth:</b> 3030
<b>Public Info Code:</b> Y 08-JUN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23600 /23583	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 4
23630 /23613	DEF AT drilling material	DEF AT 4
23814 /23797	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 247	<b>Date of Summary:</b> 23-FEB-1998	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G13682	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23815
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23798
<b>API Well Number:</b> 608174058301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11000 - 23814	<b>Water Depth:</b> 3030
<b>Public Info Code:</b> Y 08-JUN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10998	DEF AT first sample examined	DEF AT
11240 /11238	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11540 /11538	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11660 /11658	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11720 /11718	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11840 /11838	DEF AT reworked material	DEF AT
12380 /12378	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
13220 /13218	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13940 /13938	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14780 /14778	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16100 /16097	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
16280 /16277	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17000 /16997	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17720 /17716	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
18020 /18016	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18140 /18136	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
18500 /18495	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
19100 /19095	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
21800 /21793	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23060 /23050	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23120 /23109	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
23180 /23169	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 247	<b>Date of Summary:</b> 23-FEB-1998	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G13682	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23815
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23798
<b>API Well Number:</b> 608174058301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11000 - 23814	<b>Water Depth:</b> 3030
<b>Public Info Code:</b> Y 08-JUN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23240 /23228	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
23360 /23347	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23420 /23406	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
23600 /23583	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
23814 /23797	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 248	Date of Summary: 01-MAR-2000	First Sample Examined: 5840
Lease Number: G13114	Source of Paleo: OPERATOR	Borehole MD: 13759
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11585
API Well Number: 608174087000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 3	Sample Range: 5840 - 13759	Water Depth: 3290
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Paleo done by Bruce Robertson

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5840 / 5840	DEF AT -----	DEF AT 5
6020 / 6020	DEF IN Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
6110 / 6110	DEF AT local marker planktic foram increase	DEF AT 5
6290 / 6290	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
6380 / 6380	POS AT gouge	DEF AT 6
6470 / 6470	DEF AT -----	DEF AT 5
6650 / 6649	DEF AT gypsum	DEF AT 6
7100 / 7094	DEF AT calcite	DEF AT 6
11960 /10578	DEF AT -----	DEF AT 5
11990 /10595	DEF AT gouge	DEF AT 5
12020 /10612	DEF AT -----	DEF AT 4
12080 /10647	DEF AT -----	DEF AT 5
12140 /10681	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12170 /10698	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
12670 /10988	DEF AT local marker foram increase	DEF AT 5
12710 /11011	DEF AT -----	DEF AT 5
12770 /11045	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 248	Date of Summary: 31-JUL-2000	First Sample Examined: 5840
Lease Number: G13114	Source of Paleo: OPERATOR	Borehole MD: 13759
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11585
API Well Number: 608174087000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 3	Sample Range: 5840 - 13759	Water Depth: 3290
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5840 / 5840	DEF AT first sample examined	DEF AT 5
5990 / 5990	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
6020 / 6020	DEF AT - - - - -	DEF AT 5
6290 / 6290	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
6350 / 6350	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
6380 / 6380	DEF AT gouge	DEF AT 6
6381 / 6381	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
6382 / 6382	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 6
6440 / 6440	DEF AT salt	DEF AT 6
11960 /10578	DEF AT base of salt	DEF AT 5
11990 /10595	DEF AT - - - - -	DEF AT 5
12140 /10681	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12230 /10733	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
12660 /10983	DEF AT - - - - -	DEF AT 5
12950 /11145	DEF AT - - - - -	DEF AT 5
13610 /11517	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
13759 /11601	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 248	Date of Summary: 31-JUL-2000	First Sample Examined: 5840
Lease Number: G13114	Source of Paleo: OPERATOR	Borehole MD: 13759
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11585
API Well Number: 608174087000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 3 of 3	Sample Range: 5840 - 13730	Water Depth: 3290
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report done by R E Constans, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5840 / 5840	DEF AT first sample examined	DEF AT
5990 / 5990	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6230 / 6230	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6350 / 6350	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6380 / 6380	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
11930 /10561	POS AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
12020 /10612	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12320 /10785	POS IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13610 /11517	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13759 /11601	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 248	Date of Summary: 01-FEB-2000	First Sample Examined: 10820
Lease Number: G13114	Source of Paleo: OPERATOR	Borehole MD: 12338
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11791
API Well Number: 608174087001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 3	Sample Range: 10820 - 12320	Water Depth: 3290
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Paleo done by Bruce Robertson

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10820 /10484	DEF AT first sample examined	DEF AT 5
10821 /10485	DEF AT base of salt	DEF AT 5
11420 /11002	DEF AT - - - - -	DEF AT 5
11540 /11105	DEF AT local marker foram increase	DEF AT 5
11899 /11415	POS AT reworked material	DEF AT 5
11900 /11415	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
12320 /11776	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 248	<b>Date of Summary:</b> 31-JUL-2000	<b>First Sample Examined:</b> 7490
<b>Lease Number:</b> G13114	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12338
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11791
<b>API Well Number:</b> 608174087001	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 7490 - 12338	<b>Water Depth:</b> 3290
<b>Public Info Code:</b> Y 30-JUN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7490 / 7475	DEF AT first sample examined	DEF AT
10808 /10474	DEF AT base of salt	DEF AT
10820 /10484	DEF AT - - - - -	DEF AT 5
10880 /10536	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
11090 /10718	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
12320 /11776	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
12338 /11791	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 248	Date of Summary: 01-AUG-2000	First Sample Examined: 7490
Lease Number: G13114	Source of Paleo: OPERATOR	Borehole MD: 12338
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11791
API Well Number: 608174087001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 3 of 3	Sample Range: 7490 - 12338	Water Depth: 3290
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7490 / 7475	DEF AT first sample examined	DEF AT
11090 /10718	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12320 /11776	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12338 /11791	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 248	Date of Summary: 31-JUL-2000	First Sample Examined: 10680
Lease Number: G13114	Source of Paleo: OPERATOR	Borehole MD: 17013
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16500
API Well Number: 608174087002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 3	Sample Range: 10680 - 17013	Water Depth: 3290
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 15450=bottom limit of forams examined, paleobathymetry below is therefore uninterpreted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10470	DEF AT first sample examined	DEF AT 5
11310 /10989	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
12690 /12199	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
12780 /12286	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
13500 /12995	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
14100 /13593	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
15120 /14611	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15480 /14970	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15540 /15030	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16440 /15928	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
17013 /16500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 248	Date of Summary: 31-JUL-2000	First Sample Examined: 10680
Lease Number: G13114	Source of Paleo: OPERATOR	Borehole MD: 17013
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16500
API Well Number: 608174087002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 3	Sample Range: 10680 - 17013	Water Depth: 3290
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10470	DEF AT first sample examined	DEF AT
11010 /10741	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11310 /10989	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
12690 /12199	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13500 /12995	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14100 /13593	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15480 /14970	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15540 /15030	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16440 /15928	DEF IN Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
17013 /16500	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 248	Date of Summary: 31-JUL-2000	First Sample Examined: 10680
Lease Number: G13114	Source of Paleo: OPERATOR	Borehole MD: 17013
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16500
API Well Number: 608174087002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 3 of 3	Sample Range: 10680 - 15450	Water Depth: 3290
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Paleo done by Bruce Robertson

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10470	DEF AT first sample examined	DEF AT
10681 /10471	DEF IN salt	DEF AT
10950 /10692	DEF AT gouge	DEF AT
10980 /10717	DEF AT base of salt	DEF AT
11000 /10733	DEF AT - - - - -	DEF AT 5
11279 /10963	DEF AT reworked material	DEF AT 5
11280 /10964	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
11730 /11336	DEF AT local marker foram decrease	DEF AT 5
12179 /11724	DEF AT reworked material	DEF AT 5
12180 /11725	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
12660 /12171	DEF AT local marker foram increase	DEF AT 5
12780 /12286	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
14160 /13653	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
14220 /13713	DEF AT local marker foram decrease	DEF AT 5
14460 /13952	DEF AT local marker foram increase	DEF AT 5
14640 /14132	DEF AT drilling material	DEF AT 5
15120 /14611	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15180 /14671	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15240 /14731	DEF AT local marker foram increase	DEF AT 5
15360 /14851	DEF AT local marker foram increase	DEF AT 5
15420 /14910	DEF AT local marker foram decrease	DEF AT 5
15450 /14940	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 252	Date of Summary: 30-NOV-1999	First Sample Examined: 7590
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 9038
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9000
API Well Number: 608174085600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7590 - 9000	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7590 / 7589	DEF AT first sample examined	DEF AT
7591 / 7590	DEF IN Upper Pliocene Piacenzian Stage	DEF AT
7710 / 7709	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
7770 / 7769	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
7890 / 7889	DEF AT local marker floral decrease	DEF AT
8070 / 8068	DEF AT local marker floral increase	DEF AT
8130 / 8128	DEF AT local marker floral decrease	DEF AT
8850 / 8826	DEF AT local marker floral increase	DEF AT
8970 / 8937	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
9000 / 8965	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 252	Date of Summary: 23-JAN-2000	First Sample Examined: 7590
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 9038
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9000
API Well Number: 608174085600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7590 - 9000	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Reigel Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7590 / 7589	DEF AT first sample examined	DEF IN 3
7591 / 7590	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
7619 / 7618	DEF AT pyrite	DEF IN 3
7620 / 7619	DEF AT local marker foram increase	DEF IN 3
7680 / 7679	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
7710 / 7709	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
7740 / 7739	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 4
7860 / 7859	DEF AT local marker foram increase	DEF IN 4
7920 / 7919	DEF AT drilling material	DEF IN 4
7980 / 7979	DEF AT faunal change (no faunal increase)	DEF AT 4
8010 / 8009	DEF AT faunal change (no faunal increase)	DEF IN 4
8040 / 8039	DEF AT faunal change (no faunal increase)	DEF AT 4
8070 / 8068	DEF AT local marker foram decrease	DEF AT 4
8190 / 8188	DEF AT faunal change (no faunal increase)	DEF IN 3
8640 / 8629	DEF AT shell fragments	DEF IN 3
8790 / 8770	DEF AT local marker (general)	DEF IN 3
8820 / 8798	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 3
8850 / 8826	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
8970 / 8937	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 4
9000 / 8965	DEF AT last sample examined	DEF IN 4

**This report contains public paleo reports only for the time period stated**



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 252	<b>Date of Summary:</b> 30-NOV-1999	<b>First Sample Examined:</b> 9000
<b>Lease Number:</b> G18207	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13600
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12832
<b>API Well Number:</b> 608174085602	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9000 - 13600	<b>Water Depth:</b> 5225
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Reigel Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8965	DEF AT first sample examined	DEF AT
9120 / 9072	DEF AT local marker floral decrease	DEF AT
9360 / 9276	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
9780 / 9620	DEF AT local marker floral decrease	DEF AT
9960 / 9768	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
10240 / 9997	DEF AT local marker floral decrease	DEF AT
10440 /10161	DEF AT local marker floral increase	DEF AT
10560 /10259	DEF AT floral flood	DEF AT
10740 /10405	DEF AT local marker floral decrease	DEF AT
10980 /10601	DEF AT local marker floral increase	DEF AT
11040 /10650	DEF AT local marker floral decrease	DEF AT
12360 /11738	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
12420 /11789	DEF AT local marker floral decrease	DEF AT
13080 /12356	POS AT local marker floral increase	DEF AT
13200 /12463	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13500 /12739	DEF AT local marker floral increase	DEF AT
13560 /12795	DEF AT floral flood	DEF AT
13600 /12832	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 252	Date of Summary: 23-JAN-2000	First Sample Examined: 9000
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 13600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12832
API Well Number: 608174085602	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 9000 - 13600	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8965	DEF AT first sample examined	DEF IN 4
9120 / 9072	DEF AT local marker foram increase	DEF AT 4
9180 / 9125	DEF AT local marker foram increase	DEF AT 4
9210 / 9150	DEF AT pyrite	DEF AT 4
9270 / 9201	DEF AT local marker planktic foram increase	DEF IN 4
9360 / 9276	POS AT shell fragments	DEF IN 4
9390 / 9301	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 4
9476 / 9371	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
9510 / 9399	DEF AT -----	DEF IN 3
9630 / 9498	DEF AT local marker foram increase	DEF IN 3
9720 / 9572	DEF AT local marker foram increase	DEF IN 3
9930 / 9743	DEF AT -----	DEF AT 3
10200 / 9965	DEF AT pyrite	DEF AT 3
10320 /10063	POS AT local marker foram increase	DEF AT 3
10410 /10137	DEF AT local marker planktic foram increase	DEF IN 3
10590 /10283	DEF AT pyrite	DEF IN 3
10740 /10405	DEF AT -----	DEF AT 3
10890 /10527	DEF AT local marker foram increase	DEF AT 3
11490 /11018	DEF AT gray shale	DEF AT 3
11550 /11068	POS AT reworked material	DEF AT 3
11730 /11214	DEF AT local marker (general)	DEF AT 3
11755 /11235	DEF AT drilling material	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 252	Date of Summary: 23-JAN-2000	First Sample Examined: 9000
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 13600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12832
API Well Number: 608174085602	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 9000 - 13600	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12150 /11563	POS AT local marker foram increase	DEF AT 3
12180 /11588	DEF AT pyrite	DEF AT 3
12300 /11688	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12390 /11763	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
12450 /11814	DEF AT local marker (general)	DEF AT 3
12900 /12198	DEF AT pyrite	DEF AT 3
12990 /12276	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13020 /12303	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
13080 /12356	DEF AT pyrite	DEF AT 3
13170 /12436	DEF AT local marker foram increase	DEF AT 3
13200 /12463	DEF AT - - - - -	DEF AT 4
13350 /12600	DEF AT local marker foram increase	DEF AT 4
13380 /12628	DEF AT pyrite	DEF AT 4
13530 /12767	DEF AT local marker foram increase	DEF AT 4
13600 /12832	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 252	Date of Summary: 01-NOV-2003	First Sample Examined: 7950
Lease Number: G21164	Source of Paleo: OPERATOR	Borehole MD: 11965
Well Name: SS001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11318
API Well Number: 608174101800	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 7950 - 11940	Water Depth: 5229
Public Info Code: Y 19-APR-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7950 / 7950	DEF AT first sample examined	DEF AT
8040 / 8040	POS IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
8130 / 8130	DEF AT local marker foram decrease	DEF AT
8160 / 8160	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
8340 / 8340	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
8790 / 8788	DEF AT local marker foram increase	DEF AT
8820 / 8818	DEF AT local marker planktic foram increase	DEF AT 4
8850 / 8848	DEF AT -----	DEF AT 5
8880 / 8877	DEF AT foram flood	DEF AT 5
8910 / 8907	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
8940 / 8937	DEF AT -----	DEF AT 4
9030 / 9026	DEF AT local marker foram increase	DEF AT 4
9060 / 9055	DEF AT -----	DEF AT 5
9090 / 9085	POS IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
9120 / 9114	DEF AT faunal change (no faunal increase)	DEF AT 4
9180 / 9172	POS AT local marker foram increase	DEF AT 4
9210 / 9201	DEF AT -----	DEF AT 5
9240 / 9230	DEF AT -----	DEF AT 4
9330 / 9316	DEF AT local marker foram decrease	DEF AT 4
9390 / 9372	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
9420 / 9400	DEF AT local marker foram increase	DEF AT 4
9510 / 9483	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 252	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 7950
<b>Lease Number:</b> G21164	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11965
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11318
<b>API Well Number:</b> 608174101800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7950 - 11940	<b>Water Depth:</b> 5229
<b>Public Info Code:</b> Y 19-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9540 / 9510	DEF AT -----	DEF AT 4
9660 / 9617	DEF AT local marker planktic foram increase	DEF AT 4
9720 / 9670	DEF AT local marker foram increase	DEF AT 4
9900 / 9828	DEF AT local marker planktic foram increase	DEF AT 4
9930 / 9855	DEF AT -----	DEF AT 5
9960 / 9881	DEF AT -----	DEF AT 4
10020 / 9933	DEF AT local marker foram increase	DEF AT 4
10050 / 9959	DEF AT -----	DEF AT 5
10080 / 9985	DEF AT -----	DEF AT 4
10110 /10010	DEF AT local marker foram decrease	DEF AT 4
10170 /10060	DEF AT -----	DEF AT 4
10380 /10227	DEF AT -----	DEF AT 4
10410 /10249	DEF AT -----	DEF AT 4
10560 /10362	DEF AT local marker foram increase	DEF AT 5
10590 /10384	DEF AT -----	DEF AT 4
10860 /10579	DEF AT -----	DEF AT 4
10950 /10642	DEF AT -----	DEF AT 4
10980 /10662	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
11040 /10703	DEF AT -----	DEF AT 4
11070 /10724	DEF AT -----	DEF AT 4
11130 /10764	DEF AT -----	DEF AT 4
11160 /10784	DEF AT local marker foram increase	DEF AT 4
11172 /10792	DEF AT -----	DEF AT 4
11550 /11039	DEF AT -----	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> MC 252	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 7950
<b>Lease Number:</b> G21164	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11965
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11318
<b>API Well Number:</b> 608174101800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7950 - 11940	<b>Water Depth:</b> 5229
<b>Public Info Code:</b> Y 19-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11610 /11079	DEF AT -----	DEF AT 4
11940 /11301	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 252	Date of Summary: 07-NOV-2003	First Sample Examined: 7050
Lease Number: G21164	Source of Paleo: OPERATOR	Borehole MD: 11965
Well Name: SS001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11318
API Well Number: 608174101800	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 7050 - 11940	Water Depth: 5229
Public Info Code: Y 19-APR-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7950 / 7950	DEF AT first sample examined	DEF AT
8970 / 8967	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9240 / 9230	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9390 / 9372	DEF AT local marker floral increase	DEF AT
9900 / 9828	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11940 /11301	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 252	Date of Summary: 01-NOV-2003	First Sample Examined: 11190
Lease Number: G21164	Source of Paleo: OPERATOR	Borehole MD: 16200
Well Name: SS001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14162
API Well Number: 608174101801	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 11190 - 16170	Water Depth: 5229
Public Info Code: Y 19-APR-2012	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11190 /10804	DEF AT first sample examined	POS AT 4
12270 /11566	DEF AT local marker foram increase	POS AT 4
12330 /11606	DEF AT Bathysiphon fauna	POS AT 4
12390 /11646	DEF AT Arenaceous fauna (local marker)	POS AT 4
12540 /11745	DEF AT local marker foram decrease	POS AT 4
12600 /11784	DEF AT local marker planktic foram increase	DEF AT 4
12630 /11804	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	POS AT 4
12810 /11923	DEF AT local marker foram decrease	POS AT 4
12900 /11983	DEF AT - - - - -	DEF AT 4
12930 /12003	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
12990 /12043	DEF AT local marker foram decrease	POS AT 4
13020 /12063	POS AT local marker foram increase	DEF AT 4
13500 /12383	DEF AT Bathysiphon fauna	DEF AT 4
13590 /12440	DEF AT - - - - -	DEF AT 4
14100 /12760	DEF AT - - - - -	DEF AT 4
14160 /12799	DEF AT local marker planktic foram increase	DEF AT 4
14190 /12818	DEF AT - - - - -	DEF AT 4
14429 /12970	DEF AT local marker planktic foram increase	DEF AT 4
14430 /12970	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
14520 /13026	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
14580 /13063	DEF AT Bathysiphon fauna	DEF AT 4
14970 /13309	DEF AT local marker planktic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 252	<b>Date of Summary:</b> 01-NOV-2003	<b>First Sample Examined:</b> 11190
<b>Lease Number:</b> G21164	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16200
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14162
<b>API Well Number:</b> 608174101801	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11190 - 16170	<b>Water Depth:</b> 5229
<b>Public Info Code:</b> Y 19-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15150 /13430	DEF AT Bathysiphon fauna	DEF AT 4
15300 /13535	DEF AT local marker foram increase	DEF AT 4
15330 /13556	DEF AT local marker planktic foram increase	DEF AT 5
15390 /13599	DEF AT local marker foram decrease	DEF AT 5
15540 /13708	DEF AT - - - - -	DEF AT 4
15570 /13730	DEF AT Bathysiphon fauna	DEF AT 4
15690 /13817	DEF AT - - - - -	DEF AT 4
16170 /14142	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 252	<b>Date of Summary:</b> 07-NOV-2003	<b>First Sample Examined:</b> 11970
<b>Lease Number:</b> G21164	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16200
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14162
<b>API Well Number:</b> 608174101801	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11970 - 16170	<b>Water Depth:</b> 5229
<b>Public Info Code:</b> Y 19-APR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11970 /11361	DEF AT first sample examined	DEF AT
12720 /11863	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13440 /12344	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14160 /12799	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
14490 /13008	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14640 /13100	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15000 /13328	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
16170 /14142	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 258	Date of Summary: 18-JUL-2013	First Sample Examined: 9270
Lease Number: G24066	Source of Paleo: OPERATOR	Borehole MD: 16472
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16068
API Well Number: 608174125700	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 9270 - 16472	Water Depth: 5836
Public Info Code: Y 19-JAN-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9270 / 9270	DEF AT first sample examined	DEF IN 5
9330 / 9330	POS IN Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
9510 / 9510	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
9660 / 9660	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
9750 / 9750	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF IN 5
9900 / 9899	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
9930 / 9929	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
9960 / 9959	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5
10770 /10759	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
11340 /11283	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
11370 /11309	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
11640 /11547	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF IN 5
11850 /11732	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
11970 /11838	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
12150 /11997	POS IN Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
12240 /12077	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
12630 /12424	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
13079 /12825	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
13080 /12826	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
13140 /12880	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
13350 /13069	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
13770 /13446	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 258  
Lease Number: G24066  
Well Name: 001  
API Well Number: 608174125700  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-JAN-2014

Date of Summary: 18-JUL-2013  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: LLOG EXPLORATION OFFSHORE LLC  
Sample Range: 9270 - 16472  
Ecozone Eq MMS: Y

First Sample Examined: 9270  
Borehole MD: 16472  
Borehole TVD: 16068  
Rkb Elevation: 88  
Water Depth: 5836  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15240 /14836	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
15270 /14866	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF IN 5
15359 /14955	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
15360 /14956	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
15540 /15136	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
16078 /15674	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
16079 /15675	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
16080 /15676	DEF AT local marker planktic foram increase	DEF AT 6
16140 /15736	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
16472 /16068	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 285	Date of Summary: 31-JUL-2008	First Sample Examined: 8580
Lease Number: G19933	Source of Paleo: OPERATOR	Borehole MD: 9800
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9799
API Well Number: 608174115000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8580 - 9800	Water Depth: 3004
Public Info Code: Y 04-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8580 / 8579	DEF AT first sample examined	DEF AT 6
8581 / 8580	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
8582 / 8581	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
8610 / 8609	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8670 / 8669	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
8699 / 8698	POS AT maximum flooding surface	DEF AT 6
8700 / 8699	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
9180 / 9179	DEF AT sequence boundary	DEF AT 6
9209 / 9208	DEF AT maximum flooding surface	DEF AT 6
9210 / 9209	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
9450 / 9449	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
9660 / 9659	DEF AT local marker planktic foram increase	DEF AT 6
9800 / 9799	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 291	Date of Summary: 08-JUN-2004	First Sample Examined: 6000
Lease Number: G25085	Source of Paleo: OPERATOR	Borehole MD: 11600
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11600
API Well Number: 608174104300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 6000 - 11600	Water Depth: 3911
Public Info Code: Y 28-JUN-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5999	DEF AT first sample examined	DEF AT 5
6001 / 6000	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6400 / 6399	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
6799 / 6798	POS AT out-of-place section	DEF AT 5
6800 / 6799	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
6899 / 6898	POS AT out-of-place section	DEF AT 6
6900 / 6899	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8199 / 8198	POS AT out-of-place section	DEF AT 6
8200 / 8199	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
8500 / 8499	DEF AT faunal change (no faunal increase)	DEF AT 5
9180 / 9179	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
9450 / 9449	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9570 / 9569	DEF AT faunal change (no faunal increase)	DEF AT 6
9750 / 9749	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
10470 /10469	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
10560 /10559	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11600 /11599	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 291	Date of Summary: 08-JUN-2004	First Sample Examined: 6000
Lease Number: G25085	Source of Paleo: OPERATOR	Borehole MD: 11600
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11600
API Well Number: 608174104300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 6000 - 11600	Water Depth: 3911
Public Info Code: Y 28-JUN-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5999	DEF AT first sample examined	DEF AT
6001 / 6000	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
6100 / 6099	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
6400 / 6399	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6599 / 6598	DEF AT condensed section	DEF AT
6600 / 6599	DEF AT salt weld	DEF AT
8300 / 8299	POS AT out-of-place section	DEF AT
8400 / 8399	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9149 / 9148	POS AT out-of-place section	DEF AT
9150 / 9149	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9450 / 9449	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10440 /10439	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10500 /10499	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11600 /11599	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 292	<b>Date of Summary:</b> 14-FEB-1997	<b>First Sample Examined:</b> 6600
<b>Lease Number:</b> G08806	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19504
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19452
<b>API Well Number:</b> 608174054300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6600 - 14220	<b>Water Depth:</b> 4150
<b>Public Info Code:</b> Y 17-FEB-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 6599	DEF AT first sample examined	DEF AT
7140 / 7139	DEF AT reworked material	DEF AT
10560 /10559	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11100 /11099	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11700 /11698	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12600 /12597	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13200 /13197	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14220 /14215	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 17-APR-1997	First Sample Examined: 6600
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 19504
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19452
API Well Number: 608174054300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 6600 - 14250	Water Depth: 4150
Public Info Code: Y 17-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 6599	DEF AT first sample examined	DEF IN 4
6601 / 6600	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
6960 / 6959	DEF AT -----	DEF IN 3
7050 / 7049	DEF AT -----	DEF IN 4
7080 / 7079	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 4
7110 / 7109	DEF AT local marker planktic foram increase	DEF IN 4
7440 / 7439	DEF AT -----	DEF IN 3
7650 / 7649	DEF AT -----	DEF AT 4
7830 / 7829	DEF AT -----	DEF IN 4
8370 / 8369	DEF AT pyrite	DEF AT 4
9420 / 9419	DEF AT -----	DEF IN 4
9840 / 9839	DEF AT -----	DEF IN 3
9900 / 9899	DEF AT local marker planktic foram increase	DEF AT 4
9930 / 9929	DEF AT foram flood	DEF AT 5
10140 /10139	DEF AT local marker foram increase	DEF AT 5
10260 /10259	DEF AT -----	DEF AT 4
10500 /10499	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
10680 /10679	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10740 /10739	DEF AT local marker foram increase	DEF AT 4
10770 /10769	DEF AT -----	DEF IN 4
11010 /11009	DEF AT local marker planktic foram increase	DEF AT 5
11220 /11219	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292  
Lease Number: G08806  
Well Name: 002  
API Well Number: 608174054300  
Paleo Report Num: 2 of 2  
Public Info Code: Y 17-FEB-2007

Date of Summary: 17-APR-1997  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 6600 - 14250  
Ecozone Eq MMS: Y

First Sample Examined: 6600  
Borehole MD: 19504  
Borehole TVD: 19452  
Rkb Elevation: 86  
Water Depth: 4150  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11550 /11549	DEF AT -----	DEF AT 4
11700 /11698	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
11760 /11758	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
12150 /12148	DEF AT -----	DEF IN 3
12240 /12238	DEF AT Arenaceous fauna (local marker)	DEF IN 3
12330 /12328	DEF AT -----	DEF AT 4
12360 /12358	DEF AT -----	DEF IN 3
12480 /12478	DEF AT Eggerella sp. (local marker)	DEF IN 3
12600 /12597	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
12630 /12627	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
12750 /12747	DEF AT -----	DEF IN 3
13020 /13017	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13410 /13407	DEF AT -----	DEF AT 3
13590 /13586	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13650 /13646	DEF AT Eggerella sp. (local marker)	DEF IN 3
13860 /13856	DEF AT -----	DEF AT 3
14250 /14245	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 292	<b>Date of Summary:</b> 04-APR-1997	<b>First Sample Examined:</b> 10050
<b>Lease Number:</b> G08806	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16500
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15070
<b>API Well Number:</b> 608174054301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 10050 - 16500	<b>Water Depth:</b> 4120
<b>Public Info Code:</b> Y 15-MAR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10050 /10049	DEF AT first sample examined	DEF AT
10051 /10050	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10530 /10527	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11010 /10993	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11250 /11212	DEF AT Upper Miocene (Messinian) Sphenolithus abies (giant)	DEF AT
11790 /11664	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13110 /12618	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14070 /13311	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16170 /14828	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16499 /15070	DEF AT local marker floral decrease	DEF AT
16500 /15070	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 292	<b>Date of Summary:</b> 29-APR-1997	<b>First Sample Examined:</b> 13576
<b>Lease Number:</b> G08806	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16500
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15070
<b>API Well Number:</b> 608174054301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 13576 - 13756	<b>Water Depth:</b> 4120
<b>Public Info Code:</b> Y 15-MAR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13578 /12957	DEF AT local marker foram increase	DEF AT 3
13580 /12958	DEF AT -----	DEF AT 4
13584 /12961	DEF AT local marker foram increase	DEF AT 5
13585 /12962	DEF AT -----	DEF AT 4
13740 /13074	DEF AT -----	DEF AT 3
13745 /13077	DEF AT -----	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 20-MAY-1997	First Sample Examined: 10050
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15070
API Well Number: 608174054301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 87
Paleo Report Num: 3 of 3	Sample Range: 10050 - 16500	Water Depth: 4120
Public Info Code: Y 15-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10050 /10049	DEF AT first sample examined	DEF AT 4
10140 /10139	DEF IN Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 4
10410 /10408	DEF AT -----	DEF AT 3
10470 /10467	DEF AT -----	DEF AT 4
10530 /10527	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / <i>nepenthes</i> "B"	DEF AT 4
10650 /10645	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 4
10709 /10703	DEF AT Lower Pliocene (Zanclian) <i>Sphaeroidinellopsis multiloba</i>	DEF AT 4
10710 /10704	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF AT 4
10860 /10850	DEF AT -----	DEF AT 3
11009 /10992	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF AT 4
11010 /10993	DEF AT Upper Miocene (Messinian) <i>Globorotalia margaritae primitiva</i>	DEF AT 4
11070 /11048	DEF AT -----	DEF IN 3
11130 /11104	DEF AT -----	DEF AT 3
11190 /11158	DEF AT -----	DEF IN 3
11220 /11185	DEF AT Upper Miocene (Messinian) <i>Globorotalia juanai</i>	DEF AT 3
11370 /11318	DEF AT -----	DEF AT 3
11790 /11664	DEF AT Upper Miocene (Tortonian) <i>Globorotalia acostaensis</i> (coiling change right/left)	DEF AT 4
11850 /11709	DEF AT Upper Miocene (Tortonian) <i>Planulina renzi</i>	DEF AT 4
11880 /11731	DEF AT <i>Eggerella</i> sp. (local marker)	DEF IN 3
12540 /12207	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13020 /12553	DEF AT <i>Cyclammia cancellata</i> (local marker)	DEF IN 3
13139 /12639	DEF AT Upper Miocene (Tortonian) <i>Reophax davepopei</i>	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292  
 Lease Number: G08806  
 Well Name: 002  
 API Well Number: 608174054301  
 Paleo Report Num: 3 of 3  
 Public Info Code: Y 15-MAR-2007

Date of Summary: 20-MAY-1997  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: TEXACO EXPLORATION AND PROD  
 Sample Range: 10050 - 16500  
 Ecozone Eq MMS: Y

First Sample Examined: 10050  
 Borehole MD: 16500  
 Borehole TVD: 15070  
 Rkb Elevation: 87  
 Water Depth: 4120  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13140 /12640	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
13290 /12748	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 3
14190 /13397	DEF AT - - - - -	DEF AT 3
14460 /13591	DEF AT Eggerella sp. (local marker)	DEF AT 3
14640 /13720	DEF AT Arenaceous fauna (local marker)	DEF IN 3
15270 /14172	DEF AT Bathysiphon fauna	DEF IN 3
16030 /14726	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
16220 /14865	DEF AT - - - - -	DEF IN 3
16500 /15070	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 27-MAR-1997	First Sample Examined: 8010
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 18096
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14545
API Well Number: 608174054302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 1 of 3	Sample Range: 8010 - 18096	Water Depth: 4153
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 7897	DEF AT first sample examined	DEF AT
8011 / 7898	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8250 / 8065	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11610 /10175	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12930 /11001	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
13110 /11117	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
13290 /11233	DEF IN Upper Miocene (Messinian) Discoaster decorus	DEF AT
13530 /11385	DEF AT sample gap top	DEF AT
13770 /11536	DEF AT sample gap bottom	DEF AT
13830 /11575	DEF AT Upper Miocene (Messinian) Sphenolithus abies (giant)	DEF AT
13950 /11654	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15270 /12561	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16590 /13485	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17790 /14330	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
18096 /14545	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 29-APR-1997	First Sample Examined: 13577
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 18096
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14545
API Well Number: 608174054302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 3	Sample Range: 13577 - 13755	Water Depth: 4153
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13576 /11414	DEF AT first sample examined	DEF IN 3
13577 /11415	DEF AT local marker foram increase	DEF IN 3
13580 /11416	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
13583 /11418	DEF AT foram flood	DEF AT 5
13584 /11419	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
13740 /11517	DEF AT faunal change (no faunal increase)	DEF AT 3
13745 /11520	DEF AT Arenaceous fauna (local marker)	DEF IN 2
13755 /11526	DEF AT last sample examined	DEF AT 2



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 06-MAY-1997	First Sample Examined: 7980
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 18096
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14545
API Well Number: 608174054302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 3 of 3	Sample Range: 7980 - 18096	Water Depth: 4153
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7875	DEF AT first sample examined	DEF IN 3
7981 / 7876	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
8010 / 7897	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
8820 / 8424	DEF AT - - - - -	DEF IN 4
9540 / 8876	DEF AT local marker planktic foram increase	DEF IN 4
9570 / 8895	DEF AT - - - - -	DEF AT 4
10410 / 9418	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
11130 / 9871	DEF AT local marker planktic foram increase	DEF IN 4
11700 /10232	DEF AT - - - - -	DEF AT 4
11820 /10309	DEF AT - - - - -	DEF IN 3
12270 /10589	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 3
12510 /10737	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
12900 /10982	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 4
12930 /11001	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
13170 /11156	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
13320 /11252	DEF AT - - - - -	DEF AT 4
13350 /11271	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
13800 /11555	DEF AT - - - - -	DEF IN 3
14129 /11774	DEF AT Bathysiphon fauna	DEF AT 4
14130 /11775	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
14280 /11878	DEF AT - - - - -	DEF IN 3
15120 /12457	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 06-MAY-1997	First Sample Examined: 7980
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 18096
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14545
API Well Number: 608174054302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 3 of 3	Sample Range: 7980 - 18096	Water Depth: 4153
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15150 /12478	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
15240 /12540	DEF AT local marker foram increase	DEF AT 4
15300 /12582	DEF AT foram flood	DEF AT 4
15420 /12665	DEF AT Bathysiphon fauna	DEF IN 4
15540 /12749	DEF AT -----	DEF AT 4
15690 /12853	DEF AT -----	DEF IN 3
15750 /12895	DEF AT -----	DEF AT 4
15810 /12937	DEF AT Eggerella sp. (local marker)	DEF AT 4
16140 /13168	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16230 /13231	DEF AT -----	DEF AT 3
16410 /13358	DEF AT -----	DEF IN 2
16770 /13612	DEF AT Arenaceous fauna (local marker)	DEF AT 3
17610 /14204	DEF AT Bathysiphon fauna	DEF AT 3
17910 /14415	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
18096 /14545	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 01-JUL-1999	First Sample Examined: 13080
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16012
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 608174083201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 13080 - 16012	Water Depth: 3394
Public Info Code: Y 21-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13080 /12222	DEF AT first sample examined	DEF AT 5
13110 /12250	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
13170 /12307	DEF AT - - - - -	DEF AT 4
13440 /12563	DEF AT transported shelf fauna	DEF AT 4
14130 /13213	POS AT Arenaceous fauna (local marker)	DEF AT 4
14220 /13298	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14370 /13440	POS AT local marker foram increase	DEF AT 4
15090 /14122	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15210 /14236	DEF AT local marker foram increase	DEF AT 4
15360 /14379	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15420 /14436	POS AT local marker foram increase	DEF IN 4
15450 /14464	DEF AT pyrite	DEF IN 4
15480 /14493	DEF AT - - - - -	DEF AT 4
15570 /14578	DEF AT local marker foram increase	DEF AT 5
15600 /14607	DEF AT - - - - -	DEF AT 4
15840 /14835	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
15930 /14921	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15960 /14950	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15990 /14979	DEF AT local marker foram increase	DEF AT 5
16012 /15000	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 01-JUL-1999	First Sample Examined: 13020
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16012
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 608174083201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 13020 - 16012	Water Depth: 3394
Public Info Code: Y 21-JUL-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 13860=Discoaster extensus, 15900=first persistent Discoaster loeblichii=15090 in the MC292T1 well, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13020 /12165	DEF AT first sample examined	DEF AT
13021 /12166	DEF IN Lower Pliocene	DEF AT
13080 /12222	DEF AT floral flood	DEF AT
13140 /12278	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
13740 /12845	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13860 /12958	DEF AT local marker floral increase	DEF AT
15120 /14151	POS AT local marker floral increase	DEF AT
15660 /14664	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15780 /14778	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15900 /14893	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16012 /15000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 16-MAR-1999	First Sample Examined: 5820
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 12769
Well Name: 004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12214
API Well Number: 608174083300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5820 - 12750	Water Depth: 3394
Public Info Code: Y 12-APR-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5820 / 5799	DEF AT first sample examined	DEF AT
5821 / 5800	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5940 / 5914	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6000 / 5971	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6360 / 6303	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6480 / 6411	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT
6540 / 6464	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
6600 / 6516	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
7200 / 7028	DEF IN salt	DEF AT
10949 /10396	DEF AT base of salt	DEF AT
10950 /10397	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11070 /10516	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11430 /10875	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11970 /11415	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12750 /12195	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 30-MAR-1999	First Sample Examined: 5820
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 12769
Well Name: 004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12214
API Well Number: 608174083300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5820 - 12750	Water Depth: 3394
Public Info Code: Y 12-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5820 / 5799	DEF AT first sample examined	DEF IN 3
5821 / 5800	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 3
5850 / 5828	DEF AT pyrite	DEF AT 4
5908 / 5884	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
5909 / 5884	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
5910 / 5885	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
5940 / 5914	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
5970 / 5942	DEF AT local marker planktic foram increase	DEF AT 4
6060 / 6027	DEF AT -----	DEF AT 5
6120 / 6083	DEF AT -----	DEF AT 4
6240 / 6194	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	POS AT 4
6270 / 6222	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
6360 / 6303	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
6390 / 6331	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
6420 / 6357	DEF AT -----	DEF AT 4
6540 / 6464	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
6570 / 6490	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
6600 / 6516	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
6780 / 6671	DEF AT local marker foram increase	DEF AT 4
6930 / 6799	DEF AT -----	DEF AT 5
6990 / 6850	DEF AT -----	DEF AT 4
7170 / 7003	DEF AT -----	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292  
Lease Number: G08806  
Well Name: 004  
API Well Number: 608174083300  
Paleo Report Num: 2 of 2  
Public Info Code: Y 12-APR-2009

Date of Summary: 30-MAR-1999  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 5820 - 12750  
Ecozone Eq MMS: Y

First Sample Examined: 5820  
Borehole MD: 12769  
Borehole TVD: 12214  
Rkb Elevation: 82  
Water Depth: 3394  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7199 / 7028	DEF IN salt	DEF AT 4
7200 / 7028	DEF AT pyrite	DEF AT 4
10950 /10397	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10980 /10427	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11100 /10546	DEF AT limestone	DEF AT 5
11130 /10576	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
11550 /10995	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
11700 /11145	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
11730 /11175	DEF AT pyrite	DEF AT 4
11820 /11265	DEF AT local marker foram increase	DEF AT 4
11850 /11295	DEF AT foram flood	DEF AT 4
12000 /11445	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
12240 /11685	DEF AT -----	DEF IN 3
12270 /11715	DEF AT -----	DEF AT 4
12450 /11895	DEF AT -----	DEF IN 3
12480 /11925	DEF AT -----	DEF AT 4
12630 /12075	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12690 /12135	DEF AT -----	DEF IN 3
12750 /12195	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 11-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: SS005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 87
Paleo Report Num: 1 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5560 / 5560	DEF AT first sample examined	DEF AT
5561 / 5561	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
5830 / 5830	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5890 / 5889	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6010 / 6009	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
6070 / 6069	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6250 / 6249	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6310 / 6309	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6790 / 6789	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
7103 / 7102	DEF IN salt	DEF AT
9779 / 9775	DEF AT base of salt	DEF AT
9780 / 9776	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
9840 / 9836	DEF AT out-of-place section	DEF AT
9960 / 9956	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10020 /10016	DEF AT out-of-place section	DEF AT
10140 /10136	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11520 /11515	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11970 /11965	DEF AT local marker floral decrease	DEF AT
12330 /12325	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12540 /12535	DEF AT local marker floral decrease	DEF AT
13380 /13375	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13740 /13734	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 292	<b>Date of Summary:</b> 11-SEP-1995	<b>First Sample Examined:</b> 5560
<b>Lease Number:</b> G08806	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17976
<b>Well Name:</b> SS005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17969
<b>API Well Number:</b> 608174050900	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5560 - 17976	<b>Water Depth:</b> 3405
<b>Public Info Code:</b> Y 07-OCT-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14370 /14364	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14550 /14544	DEF AT local marker floral decrease	DEF AT
15630 /15624	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15870 /15864	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16410 /16403	DEF AT floral flood	DEF AT
16860 /16853	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17700 /17693	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17910 /17903	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
17975 /17968	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17976 /17969	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 28-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: SS005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 87
Paleo Report Num: 2 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5560 / 5560	DEF AT first sample examined	DEF AT 4
5561 / 5561	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
5620 / 5620	DEF AT -----	DEF IN 4
5650 / 5650	DEF AT -----	DEF AT 4
5800 / 5800	DEF AT -----	DEF IN 4
5860 / 5859	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 4
5890 / 5889	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
5920 / 5919	DEF AT -----	DEF AT 5
5980 / 5979	DEF AT -----	DEF IN 4
6010 / 6009	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
6070 / 6069	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
6160 / 6159	DEF AT -----	DEF IN 4
6280 / 6279	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 4
6430 / 6429	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
6550 / 6549	DEF AT -----	DEF AT 5
6610 / 6609	DEF AT -----	DEF AT 4
6640 / 6639	DEF AT -----	DEF AT 5
6700 / 6699	DEF AT -----	DEF IN 4
6820 / 6819	DEF AT Arenaceous fauna (local marker)	DEF IN 4
6910 / 6909	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
6920 / 6919	DEF AT salt	POS IN 4
9810 / 9806	DEF AT base of salt	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 28-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: SS005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 87
Paleo Report Num: 2 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9930 / 9926	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
9990 / 9986	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
10200 /10196	DEF AT -----	DEF IN 4
10440 /10436	DEF AT local marker planktic foram increase	DEF AT 4
10470 /10465	DEF AT -----	DEF IN 4
10800 /10795	DEF AT -----	DEF AT 4
10830 /10825	DEF AT local marker planktic foram increase	DEF IN 4
10980 /10975	DEF AT Bathysiphon fauna	DEF IN 4
11100 /11095	DEF AT -----	DEF AT 4
11130 /11125	DEF AT -----	DEF IN 4
11160 /11155	DEF AT -----	DEF AT 4
11190 /11185	DEF AT local white Arenacous fauna	DEF AT 4
11250 /11245	DEF AT -----	DEF IN 3
11280 /11275	DEF AT -----	DEF AT 4
11370 /11365	DEF AT -----	DEF AT 3
11460 /11455	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
11640 /11635	DEF AT local marker foram decrease	DEF IN 3
11700 /11695	DEF AT -----	DEF AT 4
11730 /11725	DEF AT Eggerella sp. (local marker)	DEF IN 3
12120 /12115	DEF AT -----	DEF AT 3
12210 /12205	DEF AT -----	DEF IN 3
12300 /12295	DEF AT -----	DEF AT 4
12329 /12324	DEF AT local marker planktic foram increase	DEF AT 4
12330 /12325	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 292	<b>Date of Summary:</b> 28-SEP-1995	<b>First Sample Examined:</b> 5560
<b>Lease Number:</b> G08806	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17976
<b>Well Name:</b> SS005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17969
<b>API Well Number:</b> 608174050900	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5560 - 17976	<b>Water Depth:</b> 3405
<b>Public Info Code:</b> Y 07-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12450 /12445	DEF AT -----	DEF AT 3
12750 /12745	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
13230 /13225	DEF AT -----	DEF IN 2
13320 /13315	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
13350 /13345	DEF AT Eggerella sp. (local marker)	DEF AT 3
14010 /14004	DEF AT Bathysiphon fauna	DEF AT 3
14100 /14094	DEF AT -----	DEF IN 2
14340 /14334	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 2
14760 /14754	DEF AT -----	DEF AT 3
14820 /14814	DEF AT -----	DEF IN 2
14850 /14844	DEF AT -----	DEF IN 3
14940 /14934	DEF AT -----	DEF AT 3
15000 /14994	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF IN 3
15330 /15324	DEF AT -----	DEF AT 3
15420 /15414	DEF AT -----	DEF IN 3
15600 /15594	DEF AT local marker foram decrease	DEF AT 3
15750 /15744	DEF AT -----	DEF AT 4
15810 /15804	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
15840 /15834	DEF AT -----	DEF IN 3
15990 /15984	DEF AT -----	DEF AT 3
16020 /16014	DEF AT -----	DEF AT 3
16050 /16044	DEF AT -----	DEF IN 3
16140 /16134	DEF AT Arenaceous fauna (local marker)	DEF IN 3
16200 /16193	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 292	<b>Date of Summary:</b> 28-SEP-1995	<b>First Sample Examined:</b> 5560
<b>Lease Number:</b> G08806	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17976
<b>Well Name:</b> SS005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17969
<b>API Well Number:</b> 608174050900	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5560 - 17976	<b>Water Depth:</b> 3405
<b>Public Info Code:</b> Y 07-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16440 /16433	DEF AT -----	DEF AT 3
16740 /16733	DEF AT -----	DEF IN 3
16830 /16823	DEF AT -----	DEF AT 3
16860 /16853	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
16980 /16973	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
17070 /17063	DEF AT -----	DEF AT 3
17280 /17273	DEF AT foram flood	DEF IN 3
17610 /17603	DEF AT -----	DEF AT 4
17670 /17663	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17790 /17783	DEF AT -----	DEF AT 3
17910 /17903	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 292	Date of Summary: 14-OCT-2008	First Sample Examined: 11937
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 19326
Well Name: SS005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19216
API Well Number: 608174110801	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 11937 - 19320	Water Depth: 3406
Public Info Code: Y 19-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11937 /11933	DEF AT first sample examined	DEF AT 5
11938 /11934	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
12169 /12158	POS AT maximum flooding surface	DEF AT 5
12170 /12159	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
12260 /12247	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
12318 /12304	POS AT maximum flooding surface	DEF AT 5
12319 /12305	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
12320 /12306	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
13399 /13364	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
13400 /13365	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 5
13460 /13422	POS AT maximum flooding surface	DEF AT 5
15140 /15038	POS AT maximum flooding surface	DEF AT 5
15200 /15097	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15800 /15691	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
15859 /15750	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15860 /15751	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
16310 /16201	POS AT maximum flooding surface	DEF AT 5
16460 /16350	POS IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
16850 /16740	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
16880 /16770	POS AT maximum flooding surface	DEF AT 5
17270 /17160	POS AT maximum flooding surface	DEF AT 5
17540 /17430	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 292	<b>Date of Summary:</b> 14-OCT-2008	<b>First Sample Examined:</b> 11937
<b>Lease Number:</b> G08806	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19326
<b>Well Name:</b> SS005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19216
<b>API Well Number:</b> 608174110801	<b>Drilling Operator:</b> NOBLE ENERGY INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11937 - 19320	<b>Water Depth:</b> 3406
<b>Public Info Code:</b> Y 19-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17750 /17640	POS AT maximum flooding surface	DEF AT 5
17810 /17700	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17960 /17850	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
19220 /19110	POS AT Middle Miocene (Serravallian) Globorotalia foysi robusta	DEF AT 5
19320 /19210	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 299	<b>Date of Summary:</b> 20-JUL-2001	<b>First Sample Examined:</b> 8960
<b>Lease Number:</b> G21752	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11542
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11540
<b>API Well Number:</b> 608174091200	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8960 - 11540	<b>Water Depth:</b> 5881
<b>Public Info Code:</b> Y 03-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8960 / 8958	DEF AT first sample examined	DEF AT 6
9010 / 9008	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9620 / 9618	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10370 /10368	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
11030 /11028	DEF AT -----	DEF AT 5
11420 /11418	DEF AT -----	DEF AT 6
11540 /11538	DEF AT last sample examined	DEF AT 6



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 299	Date of Summary: 20-JUL-2001	First Sample Examined: 8960
Lease Number: G21752	Source of Paleo: OPERATOR	Borehole MD: 11542
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11540
API Well Number: 608174091200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 8960 - 11540	Water Depth: 5881
Public Info Code: Y 03-JUN-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8960 / 8958	DEF AT first sample examined	DEF AT
9340 / 9338	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
9680 / 9678	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10040 /10038	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10610 /10608	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11420 /11418	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11540 /11538	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 299	Date of Summary: 20-JUL-2001	First Sample Examined: 9980
Lease Number: G21752	Source of Paleo: OPERATOR	Borehole MD: 11570
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11429
API Well Number: 608174091201	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 46
Paleo Report Num: 1 of 2	Sample Range: 9980 - 11570	Water Depth: 5881
Public Info Code: Y 22-JUN-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9980 / 9978	DEF AT first sample examined	DEF AT 6
10310 /10304	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
10910 /10857	DEF AT - - - - -	DEF AT 5
11570 /11430	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 299	Date of Summary: 20-JUL-2001	First Sample Examined: 9980
Lease Number: G21752	Source of Paleo: OPERATOR	Borehole MD: 11570
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11429
API Well Number: 608174091201	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 9980 - 11570	Water Depth: 5881
Public Info Code: Y 22-JUN-2011	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9980 / 9978	DEF AT first sample examined	DEF AT
10040 /10037	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10820 /10777	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10850 /10804	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11570 /11430	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 305	<b>Date of Summary:</b> 23-MAR-1999	<b>First Sample Examined:</b> 9100
<b>Lease Number:</b> G19935	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14000
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13972
<b>API Well Number:</b> 608174083400	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 48
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9100 - 14000	<b>Water Depth:</b> 7073
<b>Public Info Code:</b> Y 23-MAR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Aconcagua Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9100 / 9100	DEF AT first sample examined	POS AT 6
9101 / 9101	DEF IN cement	POS AT 6
9250 / 9250	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
10030 /10030	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10330 /10330	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
11440 /11439	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
11830 /11828	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
12310 /12303	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
13660 /13634	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
14000 /13972	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 305	Date of Summary: 23-MAR-1999	First Sample Examined: 9100
Lease Number: G19935	Source of Paleo: OPERATOR	Borehole MD: 14000
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13972
API Well Number: 608174083400	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 48
Paleo Report Num: 2 of 2	Sample Range: 9100 - 14000	Water Depth: 7073
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Aconcagua Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9100 / 9100	DEF AT first sample examined	DEF AT
9130 / 9130	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9190 / 9190	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9220 / 9220	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9580 / 9580	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10090 /10090	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
10690 /10690	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10840 /10840	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11230 /11229	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11586 /11585	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11935 /11932	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12100 /12096	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13690 /13664	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14000 /13972	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 305	Date of Summary: 10-MAY-2000	First Sample Examined: 9070
Lease Number: G19935	Source of Paleo: OPERATOR	Borehole MD: 14113
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13150
API Well Number: 608174087500	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9070 - 14113	Water Depth: 6997
Public Info Code: Y 28-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Aconcagua Prospect, very rare occurrences of Globorotalia fohsi robusta were noted through the interval 12060-12180 - these occurrences are believed to be out of place, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9070 / 9070	DEF AT first sample examined	DEF AT 6
9071 / 9071	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9870 / 9869	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10590 /10576	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
10620 /10606	DEF AT -----	DEF AT 5
11400 /11367	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
11910 /11828	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12090 /11967	DEF AT -----	DEF AT 4
13380 /12738	DEF AT -----	DEF AT 5
13440 /12772	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14113 /13150	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 311	Date of Summary: 09-SEP-1993	First Sample Examined: 8110
Lease Number: G03799	Source of Paleo: OPERATOR	Borehole MD: 13036
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11357
API Well Number: 608174044500	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 1580 - 13037	Water Depth: 555
Public Info Code: Y 04-JUN-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1580 / 1580	DEF AT first sample examined	POS AT 3
8510 / 8505	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
9410 / 9356	DEF AT sample gap top	POS IN 3
10910 /10338	DEF AT sample gap bottom	DEF IN 3
11060 /10414	DEF AT sample gap top	POS IN 3
12500 /11094	DEF AT sample gap bottom	DEF IN 3
13037 /	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 343	<b>Date of Summary:</b> 08-JAN-2003	<b>First Sample Examined:</b> 10000
<b>Lease Number:</b> G24073	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14200
<b>API Well Number:</b> 608174100300	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10000 - 14200	<b>Water Depth:</b> 6385
<b>Public Info Code:</b> Y 16-JAN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT first sample examined	DEF AT 6
10001 /10001	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11110 /11110	DEF AT -----	DEF AT 6
12600 /12600	DEF AT -----	DEF AT 6
12750 /12750	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
12900 /12900	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
12990 /12990	DEF AT -----	DEF AT 5
14200 /14200	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 343	Date of Summary: 08-JAN-2003	First Sample Examined: 10000
Lease Number: G24073	Source of Paleo: OPERATOR	Borehole MD: 14200
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14200
API Well Number: 608174100300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 10000 - 14200	Water Depth: 6385
Public Info Code: Y 16-JAN-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT first sample examined	DEF AT
10001 /10001	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10360 /10360	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10870 /10870	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11710 /11710	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12280 /12280	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12600 /12600	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
12870 /12870	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13530 /13530	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13590 /13590	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14190 /14190	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14200 /14200	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 348	<b>Date of Summary:</b> 09-SEP-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19939	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15080
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15079
<b>API Well Number:</b> 608174084800	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 58
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 7209
<b>Public Info Code:</b> Y 03-SEP-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12000 /11999	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12950 /12949	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 357	Date of Summary: 02-JAN-1992	First Sample Examined: 2050
Lease Number: G10988	Source of Paleo: OPERATOR	Borehole MD: 7519
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7516
API Well Number: 608174041400	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 2050 - 7519	Water Depth: 397
Public Info Code: Y 22-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
2050 / 2050	DEF AT first sample examined	DEF IN 3
2200 / 2200	DEF AT local marker deep water fauna	DEF AT 4
2500 / 2500	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
3580 / 3580	DEF AT sample gap top	POS AT 4
4509 / 4509	DEF AT sample gap bottom	DEF AT 5
4510 / 4510	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
4600 / 4600	DEF AT pyrite	DEF AT 5
4840 / 4840	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5110 / 5110	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
5380 / 5380	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
5440 / 5440	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
5800 / 5800	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
6790 / 6789	DEF AT glauconite	DEF AT 4
6820 / 6819	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
7177 / 7175	DEF AT pyrite	DEF AT 4
7178 / 7176	POS AT glauconite	DEF AT 4
7179 / 7177	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
7180 / 7178	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 4
7270 / 7268	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
7390 / 7388	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
7519 / 7516	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 357	Date of Summary: 02-JAN-1992	First Sample Examined: 4390
Lease Number: G10988	Source of Paleo: OPERATOR	Borehole MD: 8810
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8552
API Well Number: 608174041402	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 4390 - 8810	Water Depth: 397
Public Info Code: Y 19-JAN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
4390 / 4390	DEF AT first sample examined	DEF IN 4
4480 / 4480	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
4570 / 4569	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5168 / 5154	DEF AT pyrite	DEF AT 5
5169 / 5155	DEF AT glauconite	DEF AT 5
5170 / 5156	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
5530 / 5494	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
5560 / 5522	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6100 / 6026	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7240 / 7093	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
7630 / 7457	DEF AT local marker foram increase	DEF AT 5
7688 / 7511	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7689 / 7512	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
7690 / 7513	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8810 / 8552	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 365	Date of Summary: 19-DEC-1989	First Sample Examined: 2880
Lease Number: G05841	Source of Paleo: OPERATOR	Borehole MD: 10190
Well Name: 003	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 8474
API Well Number: 608174037001	Drilling Operator: FMP OPERATING COMPANY A LIMIT	Rkb Elevation: 68
Paleo Report Num: 1 of 1	Sample Range: 2880 - 10170	Water Depth: 618
Public Info Code: Y 06-JAN-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2880 / 2841	DEF AT first sample examined	DEF AT 3
2970 / 2921	DEF IN Upper Pleistocene	DEF AT 3
6000 / 5322	DEF AT local marker foram increase	DEF AT 4
6180 / 5461	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6750 / 5898	DEF AT -----	DEF AT 3
7050 / 6127	DEF AT -----	DEF AT 4
7410 / 6402	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
7710 / 6633	DEF AT -----	DEF AT 3
8400 / 7149	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
8850 / 7477	DEF AT local marker foram increase	DEF AT 3
10170 / 8459	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 365	Date of Summary: 09-OCT-1995	First Sample Examined: 0
Lease Number: G05841	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10079
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9100
API Well Number: 608174040800	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 619
Public Info Code: Y 18-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5577 / 5571	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6268 / 6203	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9170 / 8412	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Stratigraphic interval from 15990 to 18420 is overturned, important species are defined by First Appearance Datum (FAD), not Last Appearance Datum (LAD), Maastrichtian section exhibits unusual development which may define a remnant section eroded during a early Paleocene transgression prior to being overturned, actual age of interval 17130 TO 17310 may be Campanian, 15990=FAD Hedbergella trochoidea (mid-Aptian), 16140=FAD Favusella washitensis, 16320=FAD Globigerinelloides breggiensis, 16410=FAD Praeglobotruncana delrioensis, 16560=FAD R appenninica (latest Albian-earliest Cenomanian), 16620=FAD Whiteinella paradubia with R grennhornensis, R brotzeni and Praeglobotruncana stephani (latest Middle-Late Cenomanian), 16710=FAD Marginotruncana helvetica, 16770=FAD G fornicata with Marginotruncana angusticarenata, 16800=FAD Globotruncana elevata (latest Santonian-earliest Campanian, 16950=rare FAD Globotruncana ventricosa w/rare Pseudo elegans (Early Campanian), 17130=FAD Pseudoguembelina excolata w/Rugoglobigerina hexacamerata, both rare (Early Maastricht), 17190=FAD Globorot inconstans with Globorot pseudobulloides and Globigerina trilocolinoides (Early Paleocene), 17340=FAD rare Globorot conicotruncata with rare Globorot praecursoria and Globorot trinidadensis (latest Early-earliest Late Paleocene), 17370=FAD Globorot chapmani w/Globorot pusilla (latest Early-earliest Late Paleocene), 17400=FAD Globorot pseudomenardii (earliest Late Paleocene), 17430=FAD Globigerina linaperta with Globorot velascoensis (mid-Late Paleocene, 17490=FAD Gborot subbotinae, 17520=FAD Gborot quetra, 17610=FAD rare Gborot pentacamerata w/rare Globigerina inaequispira, 17730=FAD Gborot bulbrooki, 17850=FAD Globigerinatheka subconglobata, 17970=FAD Orbul beckmanni (P13), 18030=FAD G cerroazulensis, 18300=FAD G ciperoensis, 18330=FAD G biniaensis, 18390=FAD G peripheroacuta, 18420-18720 appears younger than the G fohsi series, probably Late/Middle Miocene

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8550 / 8550	DEF AT first sample examined	DEF IN 6
8610 / 8610	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 6
9330 / 9329	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 6
9840 / 9839	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
12510 /12448	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 6
15330 /15085	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 6
15750 /15481	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF IN 6
15990 /15707	DEF IN Lower Cretaceous Aptian Stage	DEF AT 3
16140 /15848	DEF IN Lower Cretaceous Albian Stage	DEF AT 3
16320 /16017	DEF IN Lower Cretaceous Albian Stage	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16410 /16102	DEF IN Lower Cretaceous Albian Stage	DEF AT 3
16470 /16159	DEF AT faunal change (no faunal increase)	DEF AT 4
16530 /16215	DEF IN Lower Cretaceous Albian Stage	DEF AT 4
16560 /16243	DEF IN Upper Cretaceous Cenomanian Stage	DEF AT 4
16620 /16300	DEF IN Upper Cretaceous Cenomanian Stage	DEF AT 4
16710 /16385	DEF IN Upper Cretaceous Turonian Stage	DEF AT 3
16770 /16441	DEF IN Upper Cretaceous Santonian Stage	DEF AT 3
16800 /16470	DEF IN Upper Cretaceous Campanian Stage	DEF AT 3
16950 /16611	POS IN Upper Cretaceous Campanian Stage	DEF AT 3
17130 /16780	DEF IN Upper Cretaceous Maastrichtian Stage	DEF AT 4
17190 /16836	DEF IN Upper Cretaceous Maastrichtian Stage	DEF AT 4
17310 /16949	DEF IN Paleocene	DEF AT 5
17340 /16977	DEF IN Paleocene	DEF AT 5
17370 /17005	DEF IN Paleocene	DEF AT 5
17400 /17033	DEF IN Paleocene	DEF AT 5
17430 /17061	DEF IN Paleocene	DEF AT 5
17490 /17117	DEF IN Paleocene	DEF AT 5
17520 /17145	DEF IN Lower (Early) Eocene	DEF AT 5
17610 /17229	POS IN Lower (Early) Eocene	DEF AT 5
17730 /17341	DEF IN Lower (Early) Eocene	DEF AT 5
17850 /17453	DEF IN Middle Eocene	DEF AT 5
17970 /17565	DEF IN Middle Eocene	DEF AT 5
18030 /17621	DEF IN Upper (Late) Eocene	DEF AT 5
18300 /17870	DEF IN Oligocene Vicksburg Group/Provincial Stage	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18330 /17898	DEF IN Oligocene Anahuac Formation/Provincial Stage	DEF AT 5
18390 /17953	DEF IN Middle Miocene	DEF AT 5
18420 /17981	POS IN Middle Miocene	DEF AT 5
18720 /18256	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 15870=FAD Nannoconus steinmanni, 16110=FAD Farhania varolii, 16560=FAD Eprolithus floralis (Lower Cenomanian), 16680=FAD Lithraphidites acutus (Middle Cenomanian), 17040=FAD Broinsonia parca parca, 17310=FAD Coccolithus subpertusus (Danian or earliest Paleocene), 17370=FAD Cruciplacolithus tenuis, 17430=FAD Heliolithus kleinPELLI (in late Paleocene), 17460=FAD Discoaster multiradiatus (in latest Paleocene), 17580=FAD Discoaster diastypus, 18000=first occurrence of Sphenolithus predistentus, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8550 / 8550	DEF AT first sample examined	DEF AT
8580 / 8580	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9270 / 9269	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9870 / 9869	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11130 /11127	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12300 /12254	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12780 /12698	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15360 /15113	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15780 /15509	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15870 /15594	DEF IN Lower Cretaceous Barremian Stage	DEF AT
16110 /15819	DEF IN Lower Cretaceous Aptian Stage	DEF AT
16560 /16243	DEF IN Lower Cretaceous Albian Stage	DEF AT
16680 /16356	DEF IN Upper Cretaceous Cenomanian Stage	DEF AT
16740 /16413	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	DEF AT
17040 /16696	DEF IN Upper Cretaceous Campanian Stage	DEF AT
17310 /16949	DEF IN Lower (Early) Paleocene	DEF AT
17370 /17005	DEF IN Lower (Early) Paleocene	DEF AT
17430 /17061	DEF IN Upper (Late) Paleocene	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 379	<b>Date of Summary:</b> 30-MAR-2000	<b>First Sample Examined:</b> 8550
<b>Lease Number:</b> G21167	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18720
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18256
<b>API Well Number:</b> 608174086500	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8550 - 18720	<b>Water Depth:</b> 4316
<b>Public Info Code:</b> Y 30-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17460 /17089	DEF IN Upper (Late) Paleocene	DEF AT
17580 /17201	DEF IN Lower (Early) Eocene	DEF AT
17880 /17481	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
18000 /17593	DEF AT Upper (Late) Eocene	DEF AT
18330 /17898	DEF AT Oligocene Vicksburg Group/Provincial Stage	DEF AT
18390 /17953	DEF AT Middle Miocene	DEF AT
18720 /18256	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 382	Date of Summary: 05-DEC-2001	First Sample Examined: 7930
Lease Number: G21168	Source of Paleo: OPERATOR	Borehole MD: 17660
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17660
API Well Number: 608174094800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 7930 - 17660	Water Depth: 5432
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7930 / 7930	DEF AT first sample examined	DEF AT 6
7931 / 7931	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8380 / 8380	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9760 / 9760	DEF AT - - - - -	DEF AT 5
9850 / 9850	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11950 /11950	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
12040 /12040	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13540 /13539	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14620 /14619	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
14980 /14979	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15940 /15939	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16510 /16508	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
16990 /16987	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17639 /17635	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17660 /17656	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 382	Date of Summary: 05-DEC-2001	First Sample Examined: 7930
Lease Number: G21168	Source of Paleo: OPERATOR	Borehole MD: 17660
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17660
API Well Number: 608174094800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 7930 - 17660	Water Depth: 5432
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7930 / 7930	DEF AT first sample examined	DEF AT
8050 / 8050	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
8380 / 8380	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
9070 / 9070	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9670 / 9670	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10000 /10000	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11290 /11290	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11980 /11980	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12010 /12010	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12520 /12520	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13510 /13509	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14920 /14919	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16030 /16029	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16900 /16897	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17660 /17656	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 392	Date of Summary: 06-DEC-2001	First Sample Examined: 10475
Lease Number: G21169	Source of Paleo: OPERATOR	Borehole MD: 18225
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18218
API Well Number: 608174095100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 10475 - 18210	Water Depth: 7291
Public Info Code: Y 29-APR-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 18030=early Eocene *Toweius gammation*, 18090=Campanian *Eiffellithus turriseiffelii*, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10475 /10475	DEF AT first sample examined	DEF AT
10476 /10476	DEF IN Upper Miocene (Messinian) <i>Discoaster berggrenii</i>	DEF AT
10770 /10770	POS AT Upper Miocene (Messinian) <i>Discoaster berggrenii</i> "A"	DEF AT
10950 /10950	DEF AT Upper Miocene (Tortonian) <i>Discoaster loeblichii</i>	DEF AT
11640 /11640	DEF AT Upper Miocene (Tortonian) <i>Catinaster mexicanus</i>	DEF AT
12360 /12360	DEF AT Upper Miocene (Tortonian) <i>Discoaster prepentaradiatus</i>	DEF AT
12510 /12510	DEF AT Upper Miocene (Tortonian) <i>Discoaster prepentaradiatus</i> (increase)	DEF AT
12810 /12810	DEF AT Upper Miocene (Tortonian) <i>Discoaster bollii</i>	DEF AT
13140 /13140	DEF AT Upper Miocene (Tortonian) <i>Catinaster coalitus</i>	DEF AT
13620 /13620	POS AT Upper Miocene (Tortonian) <i>Coccolithus miopelagicus</i>	DEF AT
15030 /15029	DEF AT Middle Miocene (Serravallian) <i>Discoaster kugleri</i>	DEF AT
15360 /15359	DEF AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT
15780 /15779	DEF AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i> (increase)	DEF AT
16230 /16229	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
16590 /16589	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
17010 /17008	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i> (acme)	DEF AT
17460 /17457	POS AT Middle Miocene (Langhian) <i>Helicosphaera ampliapertura</i>	DEF AT
18000 /17995	DEF AT Upper Eocene (Priabonian) <i>Discoaster barbadiensis</i>	DEF AT
18030 /18024	POS AT Lower Eocene (Ypresian) <i>Toweius crassus</i>	DEF AT
18060 /18054	DEF AT Upper Paleocene (Thanetian) <i>Heliolithus kleinpellii</i>	DEF AT
18090 /18084	DEF AT Upper Cretaceous Campanian Stage	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 392	<b>Date of Summary:</b> 06-DEC-2001	<b>First Sample Examined:</b> 10475
<b>Lease Number:</b> G21169	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18225
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18218
<b>API Well Number:</b> 608174095100	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10475 - 18210	<b>Water Depth:</b> 7291
<b>Public Info Code:</b> Y 29-APR-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18180 /18173	POS AT Upper Cretaceous (Campanian) Reinhardites anthophorus "A"	DEF AT
18210 /18203	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 392	Date of Summary: 10-DEC-2001	First Sample Examined: 10475
Lease Number: G21169	Source of Paleo: OPERATOR	Borehole MD: 18225
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18218
API Well Number: 608174095100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 10475 - 18210	Water Depth: 7291
Public Info Code: Y 29-APR-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10475 /10475	DEF AT first sample examined	DEF AT 6
10860 /10860	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
11610 /11610	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 6
13320 /13320	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
13410 /13410	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
13620 /13620	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
14190 /14189	DEF AT - - - - -	DEF AT 5
15060 /15059	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
15510 /15509	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
16620 /16619	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17010 /17008	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
17910 /17905	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
17970 /17965	POS AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 5
18030 /18024	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 5
18090 /18084	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT 5
18180 /18173	DEF AT Upper Cretaceous (Turonian) Praeglobotruncana stephani	DEF AT 5
18210 /18203	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 400	Date of Summary: 05-FEB-2002	First Sample Examined: 2640
Lease Number: G21755	Source of Paleo: OPERATOR	Borehole MD: 8207
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7933
API Well Number: 608174096100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2640 - 8220	Water Depth: 1139
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 7620=probably displaced by salt movement, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2640 / 2640	DEF AT first sample examined	DEF AT 4
3270 / 3269	DEF AT faunal change (no faunal increase)	DEF AT 5
3390 / 3388	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4140 / 4114	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
4440 / 4392	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
6120 / 5972	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6330 / 6170	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 5
6720 / 6537	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7620 / 7383	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
7740 / 7496	DEF AT drilling material	DEF AT 5
7741 / 7497	DEF AT salt	DEF AT 5
8220 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 400	Date of Summary: 06-FEB-2002	First Sample Examined: 2640
Lease Number: G21755	Source of Paleo: OPERATOR	Borehole MD: 8207
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7933
API Well Number: 608174096100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2640 - 8220	Water Depth: 1139
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2640 / 2640	DEF AT first sample examined	DEF AT
3390 / 3388	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4260 / 4225	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4560 / 4503	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4710 / 4643	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5400 / 5294	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5910 / 5775	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6120 / 5972	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6330 / 6170	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7050 / 6848	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7590 / 7355	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7650 / 7411	DEF AT salt	DEF AT
8220 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 413	Date of Summary: 03-FEB-2006	First Sample Examined: 3180
Lease Number: G26257	Source of Paleo: OPERATOR	Borehole MD: 8118
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8112
API Well Number: 608174107100	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 3180 - 5070	Water Depth: 1751
Public Info Code: Y 15-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3180 / 3180	DEF AT first sample examined	DEF IN 4
3810 / 3810	POS AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
3840 / 3840	DEF AT -----	DEF AT 5
5070 / 5067	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 413	Date of Summary: 03-FEB-2006	First Sample Examined: 6990
Lease Number: G26257	Source of Paleo: OPERATOR	Borehole MD: 7363
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7357
API Well Number: 608174107101	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6990 - 7290	Water Depth: 1750
Public Info Code: Y 15-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 6984	DEF AT first sample examined	DEF AT 5
6991 / 6985	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
6992 / 6986	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7260 / 7254	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
7290 / 7284	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 413	Date of Summary: 03-FEB-2006	First Sample Examined: 6957
Lease Number: G26257	Source of Paleo: OPERATOR	Borehole MD: 15502
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15000
API Well Number: 608174107102	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6957 - 15502	Water Depth: 1750
Public Info Code: Y 15-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6957 / 6919	DEF AT first sample examined	DEF IN 5
7050 / 7011	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
7110 / 7070	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
7140 / 7099	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
7530 / 7486	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
7590 / 7546	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
7710 / 7666	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8220 / 8176	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
8370 / 8326	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
8640 / 8596	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
9150 / 9106	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9210 / 9166	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9390 / 9346	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
9540 / 9496	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT 6
10590 /10544	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11340 /11258	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11670 /11556	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
11850 /11718	DEF AT - - - - -	DEF AT 5
12870 /12634	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
13320 /13039	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
13680 /13362	DEF AT - - - - -	DEF AT 4
15358 /14871	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 413	<b>Date of Summary:</b> 03-FEB-2006	<b>First Sample Examined:</b> 6957
<b>Lease Number:</b> G26257	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15502
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15000
<b>API Well Number:</b> 608174107102	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6957 - 15502	<b>Water Depth:</b> 1750
<b>Public Info Code:</b> Y 15-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15359 /14871	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
15360 /14872	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15502 /15000	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 427	Date of Summary: 22-DEC-2004	First Sample Examined: 8266
Lease Number: G31498	Source of Paleo: OPERATOR	Borehole MD: 11323
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11323
API Well Number: 608174105700	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 8266 - 11300	Water Depth: 5782
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8266 / 8266	DEF AT first sample examined	DEF AT
8400 / 8400	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8800 / 8800	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
9400 / 9400	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9800 / 9800	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
10200 /10200	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10580 /10580	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11300 /11300	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 429	Date of Summary: 25-APR-1996	First Sample Examined: 10000
Lease Number: G07944	Source of Paleo: OPERATOR	Borehole MD: 14890
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14672
API Well Number: 608174051300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 8200 - 14890	Water Depth: 6240
Public Info Code: Y 19-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT first sample examined	DEF AT
10001 /10001	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10540 /10540	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10780 /10780	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
12550 /12550	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13060 /13060	POS AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT
13360 /13360	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13540 /13540	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
13600 /13599	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14320 /14244	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
14890 /14672	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 441	Date of Summary: 10-JUL-1990	First Sample Examined: 2500
Lease Number: G05080	Source of Paleo: OPERATOR	Borehole MD: 12383
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8575
API Well Number: 608174038100	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 2500 - 12383	Water Depth: 1431
Public Info Code: Y 07-JUL-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2500 / 2500	DEF AT first sample examined	DEF IN 4
2590 / 2589	DEF AT local marker benthic foram increase	DEF AT 5
2740 / 2737	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 4
2980 / 2963	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
5320 / 4166	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
5410 / 4193	DEF AT local marker deep water fauna	DEF AT 5
7360 / 4953	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7420 / 4982	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7660 / 5102	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8260 / 5450	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
8650 / 5717	DEF AT faunal change (no faunal increase)	DEF AT 3
8710 / 5759	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
8800 / 5821	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
9130 / 6057	DEF AT local marker foram decrease	DEF AT 3
9940 / 6662	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10090 / 6774	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 3
10390 / 6999	DEF AT local marker benthic foram increase	DEF AT 3
10930 / 7429	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 3
11740 / 8073	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
11950 / 8236	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
11980 / 8258	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 3
12383 / 8576	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 441	Date of Summary: 10-JUL-1990	First Sample Examined: 2500
Lease Number: G05080	Source of Paleo: OPERATOR	Borehole MD: 12383
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8575
API Well Number: 608174038100	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 2500 - 12383	Water Depth: 1431
Public Info Code: Y 07-JUL-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2500 / 2500	DEF AT first sample examined	DEF AT
3940 / 3703	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7210 / 4884	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7660 / 5102	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8830 / 5842	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11290 / 7716	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12130 / 8375	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12383 / 8576	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 441	<b>Date of Summary:</b> 25-APR-1990	<b>First Sample Examined:</b> 2660
<b>Lease Number:</b> G05080	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8659
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7389
<b>API Well Number:</b> 608174037600	<b>Drilling Operator:</b> ENSERCH EXPLORATION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2660 - 8630	<b>Water Depth:</b> 1427
<b>Public Info Code:</b> Y 01-APR-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2660 / 2660	DEF AT first sample examined	DEF IN 3
3200 / 3195	DEF AT -----	DEF AT 4
4370 / 4179	DEF AT -----	DEF AT 5
4430 / 4224	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5300 / 4853	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
6710 / 5837	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7910 / 6780	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8630 / 7365	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 441	<b>Date of Summary:</b> 25-APR-1990	<b>First Sample Examined:</b> 2660
<b>Lease Number:</b> G05080	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8659
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7389
<b>API Well Number:</b> 608174037600	<b>Drilling Operator:</b> ENSERCH EXPLORATION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2660 - 8630	<b>Water Depth:</b> 1427
<b>Public Info Code:</b> Y 01-APR-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2660 / 2660	DEF AT first sample examined	DEF AT
3020 / 3019	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5180 / 4769	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6530 / 5700	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7520 / 6467	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7700 / 6610	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8030 / 6877	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8630 / 7365	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 441	Date of Summary: 01-MAY-1990	First Sample Examined: 8240
Lease Number: G05080	Source of Paleo: OPERATOR	Borehole MD: 10750
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8358
API Well Number: 608174037601	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 8240 - 10750	Water Depth: 1427
Public Info Code: Y 12-MAY-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8240 / 6502	DEF AT first sample examined	DEF AT 5
8241 / 6503	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
9020 / 7055	DEF AT -----	DEF AT 4
9440 / 7339	DEF AT -----	DEF AT 3
9530 / 7400	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10750 / 8188	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 441	Date of Summary: 01-MAY-1990	First Sample Examined: 8180
Lease Number: G05080	Source of Paleo: OPERATOR	Borehole MD: 10750
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8358
API Well Number: 608174037601	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 8180 - 10750	Water Depth: 1427
Public Info Code: Y 12-MAY-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8180 / 6458	DEF AT first sample examined	DEF AT
8181 / 6458	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9620 / 7459	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10750 / 8188	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 441	Date of Summary: 28-JUL-1993	First Sample Examined: 0
Lease Number: G05080	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12296
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 7151
API Well Number: 608174041500	Drilling Operator: EP OPERATING LIMITED PARTNER	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1438
Public Info Code: Y 14-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7910 / 5643	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
8270 / 5778	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10230 / 6476	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10400 / 6536	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 441	Date of Summary: 21-JUN-1993	First Sample Examined: 0
Lease Number: G09814	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8222
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6886
API Well Number: 608174041600	Drilling Operator: EP OPERATING LIMITED PARTNER	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1438
Public Info Code: Y 07-JAN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5440 / 5421	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5775 / 5716	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
6950 / 6366	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 442	Date of Summary: 04-SEP-1990	First Sample Examined: 2500
Lease Number: G05080	Source of Paleo: OPERATOR	Borehole MD: 10173
Well Name: B006	Paleo Done By: OPERATOR	Borehole TVD: 8127
API Well Number: 608174038400	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 2500 - 10160	Water Depth: 1531
Public Info Code: Y 20-SEP-2000	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
2500 / 2500	DEF AT first sample examined	DEF IN 3
2800 / 2800	DEF AT -----	DEF AT 4
2830 / 2830	DEF AT -----	DEF AT 5
3220 / 3218	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5590 / 5099	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6490 / 5755	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7660 / 6580	DEF AT -----	DEF IN 5
7720 / 6618	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7810 / 6676	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8230 / 6935	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8470 / 7080	DEF AT transported outer shelf facies	POS AT 5
8769 / 7262	POS AT Upper Pliocene (Gelasian) Lenticulina 1	POS AT 5
8770 / 7262	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS AT 5
8800 / 7281	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 5
8830 / 7299	POS AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	POS AT 5
9070 / 7446	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 5
9130 / 7482	DEF AT local marker benthic foram increase	POS AT 5
9190 / 7519	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
9400 / 7650	DEF AT -----	DEF AT 5
10160 / 8125	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 442	Date of Summary: 04-SEP-1990	First Sample Examined: 2500
Lease Number: G05080	Source of Paleo: OPERATOR	Borehole MD: 10173
Well Name: B006	Paleo Done By: OPERATOR	Borehole TVD: 8127
API Well Number: 608174038400	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 2500 - 10160	Water Depth: 1531
Public Info Code: Y 20-SEP-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2500 / 2500	DEF AT first sample examined	DEF AT
3580 / 3563	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5559 / 5077	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5560 / 5078	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
7720 / 6618	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8770 / 7262	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8860 / 7317	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9980 / 8013	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10130 / 8106	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10160 / 8125	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 442	Date of Summary: 10-SEP-1991	First Sample Examined: 2630
Lease Number: G05080	Source of Paleo: OPERATOR	Borehole MD: 10600
Well Name: B007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7368
API Well Number: 608174040000	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 2630 - 10600	Water Depth: 1531
Public Info Code: Y 04-OCT-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2630 / 2630	DEF AT first sample examined	DEF AT 3
2720 / 2720	DEF AT - - - - -	DEF AT 4
2840 / 2840	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3560 / 3518	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 4
3740 / 3672	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4260 / 4085	DEF AT local marker deep water fauna	DEF AT 5
4470 / 4241	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5640 / 4914	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6690 / 5450	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 5
7050 / 5635	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8100 / 6177	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8640 / 6435	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8700 / 6463	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
9480 / 6826	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
9690 / 6925	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 5
9930 / 7042	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9960 / 7057	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 5
10109 / 7131	POS AT reworked material	DEF IN 5
10110 / 7131	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10290 / 7219	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
10600 / 7368	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 442  
Lease Number: G05080  
Well Name: B007  
API Well Number: 608174040002  
Paleo Report Num: 1 of 2  
Public Info Code: Y 08-MAR-2004

Date of Summary: 10-SEP-1991  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: EP OPERATING LIMITED PARTNER  
Sample Range: 2630 - 10600  
Ecozone Eq MMS: Y

First Sample Examined: 2630  
Borehole MD: 11030  
Borehole TVD: 7095  
Rkb Elevation: 73  
Water Depth: 1531  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2630 / 2630	DEF AT first sample examined	DEF AT 3
2720 / 2720	DEF AT - - - - -	DEF AT 4
2840 / 2840	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3740 / 3672	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4260 / 4085	DEF AT - - - - -	DEF AT 5
5910 / 5060	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5940 / 5074	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7050 / 5542	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8730 / 6151	DEF AT - - - - -	DEF IN 5
8790 / 6173	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9930 / 6639	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10110 / 6714	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10600 / 6917	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 442	Date of Summary: 26-JAN-1993	First Sample Examined: 0
Lease Number: G05080	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11030
Well Name: B007	Paleo Done By: OPERATOR	Borehole TVD: 7095
API Well Number: 608174040002	Drilling Operator: EP OPERATING LIMITED PARTNER	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 1531
Public Info Code: Y 30-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5975 / 5091	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
7120 / 5569	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
8395 / 6032	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
9060 / 6278	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 442	Date of Summary: 21-JAN-1993	First Sample Examined: 0
Lease Number: G05080	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10900
Well Name: B008	Paleo Done By: OPERATOR	Borehole TVD: 7458
API Well Number: 608174040100	Drilling Operator: EP OPERATING LIMITED PARTNER	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1531
Public Info Code: Y 26-NOV-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7570 / 5752	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
9360 / 6634	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
10580 / 7301	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 442	Date of Summary: 16-JUL-1999	First Sample Examined: 12060
Lease Number: G18240	Source of Paleo: OPERATOR	Borehole MD: 22000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21964
API Well Number: 608174082901	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 12060 - 22000	Water Depth: 1530
Public Info Code: Y 31-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12060 /12048	DEF AT first sample examined	DEF AT
12900 /12885	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15780 /15761	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19170 /19149	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21240 /21211	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22000 /21964	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 442	<b>Date of Summary:</b> 30-JUL-1999	<b>First Sample Examined:</b> 12060
<b>Lease Number:</b> G18240	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21964
<b>API Well Number:</b> 608174082901	<b>Drilling Operator:</b> NEWFIELD EXPLORATION GULF COAST LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12060 - 22000	<b>Water Depth:</b> 1530
<b>Public Info Code:</b> Y 31-JUL-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12060 /12048	DEF AT first sample examined	DEF AT 4
12061 /12049	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12900 /12885	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
15300 /15281	DEF AT -----	DEF AT 5
15780 /15761	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
17070 /17051	DEF AT -----	DEF AT 6
19770 /19748	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
21660 /21627	DEF AT -----	DEF AT 5
22000 /21964	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 460	Date of Summary: 29-MAY-2008	First Sample Examined: 9480
Lease Number: G18244	Source of Paleo: OPERATOR	Borehole MD: 27370
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25215
API Well Number: 608174112501	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 9480 - 27370	Water Depth: 2823
Public Info Code: Y 20-MAR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9370	DEF AT first sample examined	DEF AT 6
9481 / 9371	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
9482 / 9371	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9870 / 9737	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9900 / 9765	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
10680 /10496	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT 6
11040 /10833	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11790 /11501	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
12150 /11802	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
12450 /12050	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
12690 /12247	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
12790 /12330	DEF AT - - - - -	DEF AT 5
13540 /12989	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
14020 /13436	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
14050 /13464	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
15280 /14609	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT 5
15370 /14690	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15730 /15005	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus (increase)	DEF AT 5
16090 /15312	POS IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
16290 /15481	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
16750 /15870	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
17620 /16607	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 460	Date of Summary: 29-MAY-2008	First Sample Examined: 9480
Lease Number: G18244	Source of Paleo: OPERATOR	Borehole MD: 27370
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25215
API Well Number: 608174112501	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 9480 - 27370	Water Depth: 2823
Public Info Code: Y 20-MAR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17710 /16683	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
17920 /16861	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
18100 /17013	DEF AT - - - - -	POS AT 6
18180 /17081	POS IN Upper Miocene (Tortonian) Uvigerina 3	POS AT 6
18274 /17160	DEF AT - - - - -	DEF AT 5
20230 /18814	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
20439 /18990	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
20440 /18991	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
20529 /19066	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
20530 /19067	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
20740 /19244	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
21700 /20058	DEF AT - - - - -	DEF AT 5
22480 /20713	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (very rare)	DEF AT 5
22750 /20939	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22870 /21038	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
23259 /21368	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
23260 /21369	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
23290 /21395	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
24700 /22641	DEF AT - - - - -	DEF AT 6
24940 /22863	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
25120 /23032	DEF AT - - - - -	DEF AT 5
26240 /24106	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26440 /24300	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
26920 /24770	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 460  
 Lease Number: G18244  
 Well Name: SS001  
 API Well Number: 608174112501  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 20-MAR-2014

Date of Summary: 29-MAY-2008  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: ENI US OPERATING CO INC  
 Sample Range: 9480 - 27370  
 Ecozone Eq MMS: Y

First Sample Examined: 9480  
 Borehole MD: 27370  
 Borehole TVD: 25215  
 Rkb Elevation: 80  
 Water Depth: 2823  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27250 /25096	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 5
27280 /25126	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
27340 /25185	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
27370 /25215	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 486	Date of Summary: 22-MAY-1991	First Sample Examined: 0
Lease Number: G06957	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13255
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 7973
API Well Number: 608174039300	Drilling Operator: AEDC USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 582
Public Info Code: Y 08-MAY-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 4663	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9496 / 6321	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
9863 / 6497	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 486  
 Lease Number: G06958  
 Well Name: A003  
 API Well Number: 608174039100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 07-MAR-2001

Date of Summary: 10-APR-1991  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: AEDC USA INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11859  
 Borehole TVD: 8131  
 Rkb Elevation: 124  
 Water Depth: 582  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5670 / 4720	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
8688 / 6402	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
8828 / 6468	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 486	Date of Summary: 13-JUL-2000	First Sample Examined: 0
Lease Number: G06958	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 19300
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 8309
API Well Number: 608174087300	Drilling Operator: AEDC USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 582
Public Info Code: Y 06-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17046 / 7140	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 486  
 Lease Number: G06962  
 Well Name: A002  
 API Well Number: 608174038900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 08-JAN-2001

Date of Summary: 31-JAN-1991  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: AEDC USA INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14405  
 Borehole TVD: 8000  
 Rkb Elevation: 124  
 Water Depth: 582  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6250 / 4795	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
10110 / 6199	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10976 / 6529	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 489	<b>Date of Summary:</b> 22-FEB-2008	<b>First Sample Examined:</b> 9990
<b>Lease Number:</b> G21762	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15719
<b>Well Name:</b> 006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13974
<b>API Well Number:</b> 608174113500	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9990 - 15179	<b>Water Depth:</b> 2160
<b>Public Info Code:</b> Y 29-MAY-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9970	DEF AT first sample examined	DEF AT 5
9991 / 9971	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
10140 /10111	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
10230 /10194	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
13259 /12336	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
13260 /12336	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
14518 /13159	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
14519 /13160	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
14520 /13160	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
14550 /13180	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
14790 /13338	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
14940 /13438	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15179 /13599	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 493	Date of Summary: 26-AUG-2003	First Sample Examined: 5065
Lease Number: G21763	Source of Paleo: OPERATOR	Borehole MD: 14700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14689
API Well Number: 608174101700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5065 - 14700	Water Depth: 1894
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5065 / 5064	DEF AT first sample examined	DEF AT 5
5125 / 5124	DEF AT - - - - -	DEF IN 5
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
5340 / 5339	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5730 / 5729	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5760 / 5759	DEF AT - - - - -	DEF AT 5
6330 / 6328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6540 / 6538	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
6630 / 6628	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6660 / 6658	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
6720 / 6718	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6870 / 6868	DEF AT - - - - -	DEF AT 5
6900 / 6898	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
8640 / 8636	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9180 / 9175	DEF AT - - - - -	DEF AT 5
9360 / 9355	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9420 / 9415	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9510 / 9505	DEF AT - - - - -	DEF AT 6
9540 / 9535	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
9900 / 9895	DEF AT - - - - -	DEF AT 5
10620 /10615	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
10740 /10735	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 493	<b>Date of Summary:</b> 26-AUG-2003	<b>First Sample Examined:</b> 5065
<b>Lease Number:</b> G21763	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14700
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14689
<b>API Well Number:</b> 608174101700	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U:	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5065 - 14700	<b>Water Depth:</b> 1894
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10980 /10975	DEF AT -----	DEF AT 5
11400 /11395	DEF AT -----	DEF AT 6
13439 /13431	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
13950 /13942	POS AT -----	DEF AT 5
14700 /14690	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 493	Date of Summary: 26-AUG-2003	First Sample Examined: 5065
Lease Number: G21763	Source of Paleo: OPERATOR	Borehole MD: 14700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14689
API Well Number: 608174101700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 5065 - 14700	Water Depth: 1894
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5065 / 5064	DEF AT first sample examined	DEF AT
5370 / 5369	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5460 / 5459	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6330 / 6328	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6360 / 6358	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
6540 / 6538	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6600 / 6598	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6660 / 6658	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6720 / 6718	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7020 / 7018	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7170 / 7168	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8540 / 8536	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9450 / 9445	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9480 / 9475	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9900 / 9895	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10800 /10795	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11430 /11425	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
12150 /12144	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12750 /12743	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13500 /13492	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14700 /14690	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 496	<b>Date of Summary:</b> 08-SEP-1998	<b>First Sample Examined:</b> 12040
<b>Lease Number:</b> G14005	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15100
<b>Well Name:</b> TA001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15096
<b>API Well Number:</b> 608174081700	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3070 - 15100	<b>Water Depth:</b> 1804
<b>Public Info Code:</b> Y 25-SEP-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Zia Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12040 /12039	DEF AT first sample examined	DEF AT
12041 /12040	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12130 /12129	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
13060 /13059	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13420 /13419	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13750 /13748	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14200 /14198	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15010 /15006	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
15100 /15096	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 496	Date of Summary: 10-SEP-1998	First Sample Examined: 11980
Lease Number: G14005	Source of Paleo: OPERATOR	Borehole MD: 15100
Well Name: TA001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15096
API Well Number: 608174081700	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 11980 - 15070	Water Depth: 1804
Public Info Code: Y 25-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Zia Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11979	DEF AT first sample examined	DEF AT 4
11981 /11980	DEF IN Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 4
12010 /12009	DEF IN Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 4
12040 /12039	DEF AT Lower Pliocene (Zanclian) <i>Sigmoilina "P" / cf. schlumbergeri</i>	DEF AT 4
12127 /12126	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF AT 4
12128 /12127	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF AT 4
12129 /12128	DEF AT Upper Miocene (Messinian) <i>Globorotalia margaritae primitiva</i>	DEF AT 4
12130 /12129	DEF AT Upper Miocene (Messinian) <i>Globorotalia juanai</i>	DEF AT 4
14080 /14078	POS IN Upper Miocene (Tortonian) <i>Planulina renzi</i>	DEF AT 4
14650 /14647	DEF AT Upper Miocene (Tortonian) <i>Melonis pompilioides</i> (increase)	DEF AT 4
15010 /15006	DEF AT Upper Miocene (Tortonian) <i>Bolivina thalmani</i>	DEF AT 4
15020 /15016	DEF AT faunal change (no faunal increase)	DEF AT 4
15070 /15066	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 496	Date of Summary: 07-JAN-1999	First Sample Examined: 14100
Lease Number: G14005	Source of Paleo: OPERATOR	Borehole MD: 21892
Well Name: TA001	Paleo Done By: LAURALEE R. REUGGER	Borehole TVD: 17178
API Well Number: 608174081702	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 14100 - 21892	Water Depth: 1804
Public Info Code: Y 06-DEC-2008	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14100 /13724	DEF AT first sample examined	DEF AT
14101 /13725	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14250 /13786	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20500 /16380	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21520 /16955	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21580 /16990	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21892 /17178	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 496	Date of Summary: 16-JUL-1999	First Sample Examined: 14100
Lease Number: G14005	Source of Paleo: OPERATOR	Borehole MD: 21892
Well Name: TA001	Paleo Done By: OPERATOR	Borehole TVD: 17178
API Well Number: 608174081702	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 12360 - 21892	Water Depth: 1804
Public Info Code: Y 06-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14100 /13724	DEF AT first sample examined	DEF AT 4
14101 /13725	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
16350 /14619	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
17260 /15011	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
20500 /16380	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
21520 /16955	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
21580 /16990	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
21892 /17178	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 502	Date of Summary: 13-NOV-2006	First Sample Examined: 4230
Lease Number: G24084	Source of Paleo: OPERATOR	Borehole MD: 11125
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10199
API Well Number: 608174110200	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 4230 - 11125	Water Depth: 2330
Public Info Code: Y 25-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4230 / 4230	DEF AT first sample examined	DEF AT 5
4231 / 4231	DEF IN cement	DEF AT 5
4260 / 4260	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6120 / 6119	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
6300 / 6299	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
6328 / 6327	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
6329 / 6328	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
6330 / 6329	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6360 / 6359	DEF AT - - - - -	DEF IN 5
6450 / 6449	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6778 / 6776	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
6779 / 6777	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
6780 / 6778	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6868 / 6866	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
6869 / 6867	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
6870 / 6868	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
6899 / 6896	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF IN 5
6900 / 6897	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
6930 / 6927	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7289 / 7268	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
7290 / 7269	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
7350 / 7323	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 502	Date of Summary: 13-NOV-2006	First Sample Examined: 4230
Lease Number: G24084	Source of Paleo: OPERATOR	Borehole MD: 11125
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10199
API Well Number: 608174110200	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 4230 - 11125	Water Depth: 2330
Public Info Code: Y 25-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7470 / 7429	DEF AT - - - - -	DEF AT 5
8220 / 8015	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
8490 / 8218	DEF AT - - - - -	DEF IN 5
8550 / 8263	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
8880 / 8511	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
9030 / 8624	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
9060 / 8646	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
9240 / 8781	DEF AT - - - - -	DEF AT 5
9990 / 9346	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
10290 / 9571	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
10320 / 9594	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
10350 / 9617	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
10380 / 9639	DEF AT sample gap top	POS AT 5
10560 / 9774	DEF AT sample gap bottom	DEF AT 5
11110 /10188	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
11125 /10199	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 506	Date of Summary: 17-FEB-2005	First Sample Examined: 13500
Lease Number: G26261	Source of Paleo: OPERATOR	Borehole MD: 19078
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19076
API Well Number: 608174106100	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 13500 - 19078	Water Depth: 3682
Public Info Code: Y 23-FEB-2015	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13499	DEF AT first sample examined	DEF AT
13530 /13529	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14640 /14638	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14759 /14757	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14760 /14758	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16110 /16108	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
16290 /16288	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17670 /17668	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19078 /19076	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 508	Date of Summary: 02-JAN-2004	First Sample Examined: 14850
Lease Number: G21764	Source of Paleo: OPERATOR	Borehole MD: 21613
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21600
API Well Number: 608174102300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 14850 - 21600	Water Depth: 3989
Public Info Code: Y 27-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Hawkes Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14850 /14848	DEF AT first sample examined	DEF AT
14851 /14849	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14947 /14945	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14957 /14955	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14958 /14956	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16440 /16438	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16620 /16618	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
18180 /18177	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18660 /18657	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19200 /19196	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19440 /19436	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19560 /19556	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
19620 /19616	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
20960 /20951	DEF AT local marker floral increase	DEF AT
21150 /21140	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21240 /21229	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21480 /21468	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21510 /21498	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21600 /21587	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 509	Date of Summary: 01-MAR-2002	First Sample Examined: 10010
Lease Number: G21765	Source of Paleo: OPERATOR	Borehole MD: 23143
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23128
API Well Number: 608174093900	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 10010 - 23173	Water Depth: 4174
Public Info Code: Y 27-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Hawkes Prospect, company-integrated foram and nanno report by T C Huang and C Liu, the sequence stratigraphic zonations of Hardenbol et al (1998) found in the well are summarized in their report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 /10009	DEF AT first sample examined	DEF AT 5
10011 /10010	DEF IN Lower Pliocene (Zanclian) Ceratolithus armatus	DEF AT 5
10370 /10369	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
10790 /10789	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11100 /11099	DEF AT - - - - -	DEF AT 6
13340 /13339	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
13760 /13759	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
13880 /13879	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
14420 /14418	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 6
14870 /14868	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
16100 /16098	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT 6
16160 /16158	DEF IN Upper Miocene (Tortonian) Reticulofenestra pseudoumbilica "C"	DEF AT 6
16220 /16218	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
17090 /17088	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT 6
17780 /17778	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
18229 /18227	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
18230 /18228	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
20510 /20508	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 6
20620 /20618	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
20650 /20648	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
21609 /21600	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 509	<b>Date of Summary:</b> 01-MAR-2002	<b>First Sample Examined:</b> 10010
<b>Lease Number:</b> G21765	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23143
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23128
<b>API Well Number:</b> 608174093900	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10010 - 23173	<b>Water Depth:</b> 4174
<b>Public Info Code:</b> Y 27-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21610 /21601	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
22140 /22128	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
22170 /22158	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
23130 /23114	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
23173 /	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 520	Date of Summary: 01-APR-1997	First Sample Examined: 9370
Lease Number: G09821	Source of Paleo: OPERATOR	Borehole MD: 17502
Well Name: H001	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 608174054600	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9370 - 17460	Water Depth: 6738
Public Info Code: Y 05-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, overall foram sample quality is relatively poor, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9370 / 9370	DEF AT first sample examined	POS AT 3
9490 / 9490	DEF AT faunal change (no faunal increase)	DEF IN 3
9550 / 9550	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 4
9670 / 9670	DEF AT cement	DEF IN 3
9790 / 9790	DEF AT faunal change (no faunal increase)	DEF AT 4
9850 / 9850	DEF AT cement	DEF IN 3
10030 /10030	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 3
10120 /10120	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
10150 /10150	DEF AT faunal change (no faunal increase)	DEF IN 3
10210 /10210	DEF AT faunal change (no faunal increase)	DEF AT 4
10240 /10240	DEF AT faunal change (no faunal increase)	DEF IN 3
10630 /10630	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
10660 /10660	DEF AT faunal change (no faunal increase)	DEF IN 3
11760 /11760	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 3
11820 /11820	DEF AT faunal change (no faunal increase)	DEF AT 4
11880 /11880	DEF AT faunal change (no faunal increase)	DEF IN 3
12420 /12420	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 3
12480 /12480	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 3
12810 /12810	DEF AT faunal change (no faunal increase)	DEF AT 4
12840 /12840	DEF AT faunal change (no faunal increase)	DEF IN 3
13200 /13200	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 520	Date of Summary: 01-APR-1997	First Sample Examined: 9370
Lease Number: G09821	Source of Paleo: OPERATOR	Borehole MD: 17502
Well Name: H001	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 608174054600	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9370 - 17460	Water Depth: 6738
Public Info Code: Y 05-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13230 /13230	DEF AT faunal change (no faunal increase)	DEF AT 4
13260 /13260	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
13350 /13350	DEF AT faunal change (no faunal increase)	DEF IN 3
13380 /13380	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 3
13560 /13560	DEF AT faunal change (no faunal increase)	DEF AT 4
13590 /13590	DEF AT faunal change (no faunal increase)	DEF IN 3
13650 /13650	DEF AT faunal change (no faunal increase)	DEF AT 4
13710 /13710	DEF AT faunal change (no faunal increase)	DEF IN 3
13860 /13860	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 3
13950 /13950	DEF AT faunal change (no faunal increase)	DEF AT 4
14160 /14160	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS AT 4
14190 /14190	DEF AT faunal change (no faunal increase)	DEF IN 3
14520 /14520	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 3
15030 /15030	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
15240 /15240	DEF AT faunal change (no faunal increase)	DEF AT 4
15270 /15270	DEF AT faunal change (no faunal increase)	DEF IN 3
15330 /15330	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
15360 /15360	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
15420 /15420	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 3
15600 /15600	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 4
15990 /15990	DEF AT faunal change (no faunal increase)	DEF AT 4
16020 /16020	DEF AT faunal change (no faunal increase)	DEF IN 3
16200 /16200	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF IN 3
16230 /16230	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 520	<b>Date of Summary:</b> 01-APR-1997	<b>First Sample Examined:</b> 9370
<b>Lease Number:</b> G09821	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17502
<b>Well Name:</b> H001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17500
<b>API Well Number:</b> 608174054600	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9370 - 17460	<b>Water Depth:</b> 6738
<b>Public Info Code:</b> Y 05-MAR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16380 /16379	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 3
17310 /17309	DEF AT faunal change (no faunal increase)	DEF AT 4
17340 /17339	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
17460 /17458	DEF AT last sample examined	DEF IN 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 522	Date of Summary: 22-NOV-1999	First Sample Examined: 15790
Lease Number: G08823	Source of Paleo: OPERATOR	Borehole MD: 17100
Well Name: F002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16615
API Well Number: 608174085800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 15790 - 17100	Water Depth: 6944
Public Info Code: Y 14-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15790 /15488	DEF AT first sample examined	DEF AT 5
15880 /15564	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16000 /15665	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16030 /15690	DEF AT turbid water facies	DEF AT 5
16150 /15790	DEF AT local marker planktic foram increase	DEF AT 5
16180 /15816	DEF AT - - - - -	DEF AT 5
16450 /16046	DEF AT turbid water facies	DEF AT 5
16480 /16071	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16500 /16088	DEF AT turbid water facies	DEF AT 5
16570 /16149	DEF AT siltstone	DEF AT 5
17050 /16571	DEF AT turbid water facies	DEF AT 5
17080 /16597	DEF AT out-of-place section	DEF AT 5
17100 /16615	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 522	Date of Summary: 24-NOV-1999	First Sample Examined: 16790
Lease Number: G08823	Source of Paleo: OPERATOR	Borehole MD: 17100
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 16615
API Well Number: 608174085800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 15790 - 17100	Water Depth: 6944
Public Info Code: Y 14-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15790 /15488	DEF AT first sample examined	DEF AT 4
15791 /15489	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
15880 /15564	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
16480 /16071	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
17100 /16615	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 522  
Lease Number: G08823  
Well Name: F002  
API Well Number: 608174085801  
Paleo Report Num: 1 of 2  
Public Info Code: Y 26-DEC-2009

Date of Summary: 09-DEC-1999  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 16790 - 18230  
Ecozone Eq MMS: Y

First Sample Examined: 16790  
Borehole MD: 18261  
Borehole TVD: 17829  
Rkb Elevation: 85  
Water Depth: 6944  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
16790 /16359	DEF AT sand	DEF	AT
16910 /16479	DEF AT turbid water facies	DEF	AT
17000 /16569	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	IN 4
17001 /16570	DEF AT Arenaceous fauna (local marker)	DEF	IN 4
17059 /16628	DEF AT pyrite	DEF	IN 4
17060 /16629	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	IN 4
17210 /16779	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	IN 4
17300 /16869	DEF AT sand	DEF	IN 4
17398 /16966	DEF AT -----	DEF	AT 0
17450 /17018	DEF AT -----	DEF	IN 4
17630 /17198	DEF AT turbid water facies	DEF	AT
17660 /17228	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	IN 4
17780 /17348	DEF AT -----	DEF	AT 0
17930 /17498	DEF AT -----	DEF	IN 4
17960 /17528	DEF AT -----	DEF	AT 0
17990 /17558	DEF AT -----	DEF	IN 4
18050 /17618	DEF AT turbid water facies	DEF	AT
18200 /17768	DEF AT sandstone	DEF	AT
18230 /17798	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 522	Date of Summary: 09-DEC-1999	First Sample Examined: 16790
Lease Number: G08823	Source of Paleo: OPERATOR	Borehole MD: 18261
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 17829
API Well Number: 608174085801	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 16790 - 18260	Water Depth: 6944
Public Info Code: Y 26-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16790 /16359	DEF AT first sample examined	DEF AT 4
16791 /16360	POS AT reworked material	DEF AT 4
16792 /16361	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT 4
16940 /16509	POS AT Middle Miocene (Serravallian) <i>Coccolithus miopelagicus</i>	DEF AT 4
17000 /16569	DEF IN Middle Miocene (Serravallian) <i>Globorotalia fohsi robusta</i>	DEF AT 4
17030 /16599	DEF IN Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT 4
17210 /16779	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi praefohsi</i>	DEF AT 4
17270 /16839	POS AT reworked material	DEF AT 4
17271 /16840	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT 4
17660 /17228	POS AT Middle Miocene (Serravallian) <i>Bigenerina humblei</i>	DEF AT 4
18230 /17798	DEF AT Middle Miocene (Serravallian) <i>Bigenerina humblei</i>	DEF AT 4
18260 /17828	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 538	Date of Summary: 15-JUL-2003	First Sample Examined: 4380
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 10000
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9997
API Well Number: 608174101300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 4380 - 10000	Water Depth: 1840
Public Info Code: Y 11-AUG-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4380 / 4380	DEF AT first sample examined	DEF AT 5
5700 / 5700	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5730 / 5730	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5820 / 5820	DEF AT local marker planktic foram increase	DEF AT 5
6929 / 6928	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6930 / 6929	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
7019 / 7018	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
7020 / 7019	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7050 / 7049	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
7110 / 7109	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
7140 / 7139	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7170 / 7169	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
7200 / 7199	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
7890 / 7888	DEF AT faunal change (no faunal increase)	DEF AT 5
8940 / 8938	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
9000 / 8998	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9180 / 9177	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10000 / 9997	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 538	Date of Summary: 15-JUL-2003	First Sample Examined: 4380
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 10000
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9997
API Well Number: 608174101300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 4380 - 10000	Water Depth: 1840
Public Info Code: Y 11-AUG-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4380 / 4380	DEF AT first sample examined	DEF AT
4980 / 4980	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5670 / 5670	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5730 / 5730	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6840 / 6839	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6930 / 6929	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6960 / 6959	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7020 / 7019	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7110 / 7109	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7320 / 7319	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7350 / 7349	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8970 / 8968	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10000 / 9997	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 538	<b>Date of Summary:</b> 21-FEB-2005	<b>First Sample Examined:</b> 8909
<b>Lease Number:</b> G16614	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10130
<b>Well Name:</b> SS004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9748
<b>API Well Number:</b> 608174101301	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8909 - 10071	<b>Water Depth:</b> 1849
<b>Public Info Code:</b> Y 15-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8909 / 8901	DEF AT first sample examined	DEF AT 5
8910 / 8902	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
8911 / 8903	POS IN Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
9067 / 9049	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9068 / 9050	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10071 / 9723	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 538	<b>Date of Summary:</b> 21-FEB-2005	<b>First Sample Examined:</b> 8909
<b>Lease Number:</b> G16614	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10130
<b>Well Name:</b> SS004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9748
<b>API Well Number:</b> 608174101301	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8909 - 10071	<b>Water Depth:</b> 1849
<b>Public Info Code:</b> Y 15-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8909 / 8901	DEF AT first sample examined	DEF AT
9067 / 9049	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10071 / 9723	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 540	Date of Summary: 17-JUN-2010	First Sample Examined: 9950
Lease Number: G26265	Source of Paleo: OPERATOR	Borehole MD: 24195
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23638
API Well Number: 608174114200	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9950 - 24195	Water Depth: 2036
Public Info Code: Y 12-SEP-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9950 / 9947	DEF AT first sample examined	DEF AT 5
9951 / 9948	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
10760 /10757	DEF AT -----	DEF AT 4
10910 /10907	DEF AT -----	DEF AT 5
10940 /10937	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
11030 /11027	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11180 /11177	DEF AT -----	DEF AT 4
11540 /11537	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11570 /11567	DEF AT -----	DEF AT 5
11600 /11597	DEF AT -----	DEF AT 4
11780 /11777	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11990 /11987	DEF AT local marker benthic foram increase	DEF AT 5
12290 /12287	DEF AT Arenaceous fauna (local marker)	DEF AT 5
12590 /12587	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
12980 /12977	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
13190 /13187	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
13400 /13397	DEF AT Bathysiphon fauna	DEF AT 5
13520 /13517	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13550 /13547	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
13620 /13617	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
13730 /13726	DEF AT reworked material	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 540	Date of Summary: 17-JUN-2010	First Sample Examined: 9950
Lease Number: G26265	Source of Paleo: OPERATOR	Borehole MD: 24195
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23638
API Well Number: 608174114200	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9950 - 24195	Water Depth: 2036
Public Info Code: Y 12-SEP-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13760 /13756	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
14210 /14205	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14330 /14325	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15050 /15017	DEF AT -----	DEF AT 4
15110 /15073	DEF AT salt	POS AT 4
17329 /17123	DEF AT base of salt	DEF AT 5
17330 /17124	DEF AT out-of-place section	DEF AT 5
17480 /17266	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17540 /17322	DEF AT salt	POS AT 5
17810 /17576	DEF AT -----	DEF AT 5
18380 /18112	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
18530 /18253	DEF AT local marker benthic foram increase	DEF AT 5
18650 /18365	DEF AT -----	DEF AT 4
18920 /18618	DEF AT -----	DEF AT 5
18980 /18675	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
19220 /18899	DEF AT -----	DEF AT 4
19400 /19068	DEF AT -----	DEF AT 5
20360 /19969	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
20900 /20476	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5
22039 /21556	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
22040 /21557	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22910 /22396	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
23060 /22540	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
23780 /23236	DEF AT Bathysiphon fauna	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 540	Date of Summary: 17-JUN-2010	First Sample Examined: 9950
Lease Number: G26265	Source of Paleo: OPERATOR	Borehole MD: 24195
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23638
API Well Number: 608174114200	Drilling Operator: STATOIL USA E&P INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9950 - 24195	Water Depth: 2036
Public Info Code: Y 12-SEP-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24110 /23556	DEF AT -----	DEF AT 4
24195 /23638	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 541	<b>Date of Summary:</b> 01-JUL-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G18255	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8891
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8775
<b>API Well Number:</b> 608174084600	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 2016
<b>Public Info Code:</b> Y 29-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6390 / 6389	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7260 / 7234	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7920 / 7862	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8310 / 8230	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8331 / 8250	DEF AT condensed section	DEF AT
8400 / 8314	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8405 / 8319	DEF AT condensed section	DEF AT
8420 / 8333	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8460 / 8371	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8550 / 8455	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8790 / 8680	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 541	Date of Summary: 01-JAN-2000	First Sample Examined: 3780
Lease Number: G18255	Source of Paleo: OPERATOR	Borehole MD: 8891
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8775
API Well Number: 608174084600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 3780 - 8850	Water Depth: 2016
Public Info Code: Y 29-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Nag Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
3780 / 3780	DEF AT first sample examined	POS AT 2
3840 / 3840	DEF AT - - - - -	DEF AT 2
4260 / 4260	DEF AT local marker floral increase	DEF AT 2
5490 / 5490	DEF AT local marker floral increase	DEF AT 2
5730 / 5730	DEF AT local marker floral increase	DEF AT 2
5910 / 5910	DEF AT local marker floral increase	DEF AT 2
6270 / 6269	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 2
6390 / 6389	DEF AT local marker floral increase	DEF AT 2
6660 / 6656	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT 2
7290 / 7263	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 2
7440 / 7406	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7920 / 7862	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
8280 / 8202	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
8310 / 8230	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8340 / 8258	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
8400 / 8314	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
8409 / 8323	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
8410 / 8324	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8460 / 8371	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8461 / 8372	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
8530 / 8436	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
8531 / 8437	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 541	Date of Summary: 01-JAN-2000	First Sample Examined: 3780
Lease Number: G18255	Source of Paleo: OPERATOR	Borehole MD: 8891
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8775
API Well Number: 608174084600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 3780 - 8850	Water Depth: 2016
Public Info Code: Y 29-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8550 / 8455	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
8640 / 8540	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8730 / 8624	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT 5
8790 / 8680	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
8850 / 8736	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 545	Date of Summary: 04-NOV-1998	First Sample Examined: 3898
Lease Number: G15489	Source of Paleo: OPERATOR	Borehole MD: 12114
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12050
API Well Number: 608174081900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 4	Sample Range: 3898 - 12114	Water Depth: 2396
Public Info Code: Y 31-AUG-2003	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3898 / 3897	DEF AT first sample examined	DEF AT
6210 / 6193	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6450 / 6422	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6720 / 6681	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6780 / 6739	DEF AT sample gap top	DEF AT
6809 / 6767	DEF AT sample gap bottom	DEF AT
6810 / 6768	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6900 / 6855	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6930 / 6884	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6990 / 6943	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7110 / 7060	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7140 / 7089	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8430 / 8367	POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8790 / 8727	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9720 / 9657	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10110 /10046	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11220 /11156	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12114 /12050	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 545	Date of Summary: 04-NOV-1998	First Sample Examined: 12117
Lease Number: G15489	Source of Paleo: OPERATOR	Borehole MD: 12114
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12050
API Well Number: 608174081900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 4	Sample Range: 12117 - 14500	Water Depth: 2396
Public Info Code: Y 31-AUG-2003	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report for bypass 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12117 /	DEF AT first sample examined	DEF AT
12210 /	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14500 /	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 545	Date of Summary: 05-NOV-1998	First Sample Examined: 3898
Lease Number: G15489	Source of Paleo: OPERATOR	Borehole MD: 12114
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12050
API Well Number: 608174081900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 73
Paleo Report Num: 3 of 4	Sample Range: 3898 - 12114	Water Depth: 2396
Public Info Code: Y 31-AUG-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3898 / 3897	DEF AT first sample examined	DEF AT
3899 / 3898	DEF AT cement	DEF AT
4140 / 4139	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
4230 / 4229	DEF AT - - - - -	DEF AT 4
6270 / 6250	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6330 / 6307	DEF AT - - - - -	DEF AT 5
6510 / 6479	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6900 / 6855	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6930 / 6884	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
6990 / 6943	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7920 / 7857	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8820 / 8757	DEF AT - - - - -	DEF AT 6
9690 / 9627	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10230 /10166	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11190 /11126	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12114 /12050	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 545	Date of Summary: 05-NOV-1998	First Sample Examined: 12117
Lease Number: G15489	Source of Paleo: OPERATOR	Borehole MD: 12114
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12050
API Well Number: 608174081900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 73
Paleo Report Num: 4 of 4	Sample Range: 12117 - 13710	Water Depth: 2396
Public Info Code: Y 31-AUG-2003	Ecozone Eq MMS:	Paleo ID: 002

Remark: Foram report for bypass 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12117 /	DEF AT first sample examined	DEF AT 6
13710 /	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
14500 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 546	Date of Summary: 22-JUL-1998	First Sample Examined: 3828
Lease Number: G25098	Source of Paleo: OPERATOR	Borehole MD: 10224
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10190
API Well Number: 608174081000	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 3828 - 10224	Water Depth: 2508
Public Info Code: Y 10-APR-2002	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3828 / 3828	DEF AT first sample examined	DEF AT
6230 / 6227	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6440 / 6436	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6770 / 6764	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6800 / 6794	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6830 / 6824	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6890 / 6883	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6920 / 6913	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7130 / 7122	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8450 / 8432	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8780 / 8759	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9560 / 9533	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9890 / 9859	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10224 / 10190	DEF AT last sample examined	DEF AT

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 546	Date of Summary: 24-JUL-1998	First Sample Examined: 3828
Lease Number: G25098	Source of Paleo: OPERATOR	Borehole MD: 10224
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10190
API Well Number: 608174081000	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 3828 - 10224	Water Depth: 2508
Public Info Code: Y 10-APR-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3828 / 3828	DEF AT first sample examined	DEF AT
3829 / 3829	DEF IN cement	DEF AT
4040 / 4040	DEF AT - - - - -	DEF AT 5
4460 / 4460	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6440 / 6436	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6740 / 6734	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
6800 / 6794	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6830 / 6824	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6890 / 6883	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
6920 / 6913	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
7010 / 7003	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7490 / 7480	DEF AT - - - - -	DEF AT 5
8540 / 8521	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
8660 / 8640	DEF AT - - - - -	DEF AT 6
8690 / 8670	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9920 / 9889	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
10224 / 10190	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 546	<b>Date of Summary:</b> 22-JUL-1998	<b>First Sample Examined:</b> 10224
<b>Lease Number:</b> G25098	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18090
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17500
<b>API Well Number:</b> 608174081001	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10224 - 18090	<b>Water Depth:</b> 2508
<b>Public Info Code:</b> Y 10-APR-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10224 /10199	DEF AT first sample examined	DEF AT
10850 /10822	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
12080 /12047	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14480 /14380	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15410 /15157	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15530 /15254	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16880 /16401	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17000 /16508	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18090 /17500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 546	Date of Summary: 24-JUL-1998	First Sample Examined: 10224
Lease Number: G25098	Source of Paleo: OPERATOR	Borehole MD: 18090
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17500
API Well Number: 608174081001	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 10224 - 18090	Water Depth: 2508
Public Info Code: Y 10-APR-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10224 /10199	DEF AT first sample examined	DEF AT 6
10880 /10852	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11390 /11360	DEF AT faunal change (no faunal increase)	DEF AT 5
12680 /12646	DEF AT faunal change (no faunal increase)	DEF AT 6
13310 /13268	DEF AT faunal change (no faunal increase)	DEF AT 5
13580 /13528	DEF AT faunal change (no faunal increase)	DEF AT 4
14090 /14013	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
16430 /16008	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
16610 /16164	DEF AT faunal change (no faunal increase)	DEF AT 5
16820 /16348	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
17810 /17241	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
18090 /17500	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 546	Date of Summary: 10-OCT-2006	First Sample Examined: 4200
Lease Number: G25098	Source of Paleo: OPERATOR	Borehole MD: 13447
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 12808
API Well Number: 608174107000	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 2	Sample Range: 4200 - 13477	Water Depth: 2450
Public Info Code: Y 18-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 4200	DEF AT first sample examined	DEF AT 5
4320 / 4320	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
4950 / 4950	DEF AT - - - - -	DEF AT 4
5190 / 5190	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5340 / 5340	DEF AT local marker foram increase	DEF AT 5
5640 / 5639	DEF AT local marker foram increase	DEF AT 5
6120 / 6119	DEF AT - - - - -	DEF AT 4
6270 / 6269	DEF AT - - - - -	DEF AT 5
6330 / 6329	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6450 / 6449	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
6660 / 6659	DEF AT local marker foram increase	DEF AT 5
6809 / 6808	DEF AT condensed section	DEF AT 5
6810 / 6809	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6839 / 6838	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
6840 / 6839	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
6870 / 6869	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
6899 / 6898	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6900 / 6899	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
7260 / 7259	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
7410 / 7409	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
8040 / 8036	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 546	Date of Summary: 10-OCT-2006	First Sample Examined: 4200
Lease Number: G25098	Source of Paleo: OPERATOR	Borehole MD: 13447
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 12808
API Well Number: 608174107000	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 2	Sample Range: 4200 - 13477	Water Depth: 2450
Public Info Code: Y 18-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8250 / 8244	DEF AT local marker foram increase	DEF AT 5
8340 / 8332	DEF AT local marker foram increase	DEF AT 5
8519 / 8507	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 5
8520 / 8508	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 5
9090 / 9032	DEF AT - - - - -	DEF AT 4
9240 / 9162	DEF AT local marker foram increase	DEF AT 5
9330 / 9240	DEF AT - - - - -	DEF AT 4
9510 / 9397	DEF AT local marker foram increase	DEF AT 5
9600 / 9475	POS AT Lower Pliocene (Zanclian) <i>Siphotextularia jugosa</i> / "J"	DEF AT 5
9750 / 9605	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF AT 5
10080 / 9891	DEF AT local marker foram increase	DEF AT 5
10260 /10046	DEF AT - - - - -	DEF AT 4
10670 /10403	DEF AT local marker foram increase	DEF AT 5
10700 /10429	DEF AT Upper Miocene (Messinian) <i>Globorotalia margaritae primitiva</i>	DEF AT 5
10940 /10639	DEF AT - - - - -	DEF AT 4
11120 /10795	DEF AT - - - - -	DEF AT 5
11150 /10821	DEF AT Upper Miocene (Messinian) <i>Discoaster quinqueramus</i>	DEF AT 5
11390 /11029	DEF AT - - - - -	DEF AT 4
11540 /11158	DEF AT local marker foram increase	DEF AT 5
11570 /11184	DEF AT Upper Miocene (Messinian) <i>Discoaster berggrenii</i>	DEF AT 5
11749 /11341	DEF AT Upper Miocene (Messinian) <i>Discoaster berggrenii</i> "A"	DEF AT 5
11750 /11342	DEF AT Upper Miocene (Messinian) <i>Globorotalia juanai</i>	DEF AT 5
12020 /11576	DEF AT <i>Cyclammia</i> sp. (local marker)	DEF AT 5
12350 /11861	DEF AT - - - - -	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 546	Date of Summary: 10-OCT-2006	First Sample Examined: 4200
Lease Number: G25098	Source of Paleo: OPERATOR	Borehole MD: 13447
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 12808
API Well Number: 608174107000	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 2	Sample Range: 4200 - 13477	Water Depth: 2450
Public Info Code: Y 18-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12380 /11886	DEF AT -----	DEF AT 4
12530 /12016	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12590 /12068	DEF AT local marker foram increase	DEF AT 5
12650 /12120	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
12740 /12197	DEF AT -----	DEF AT 4
12860 /12300	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 4
13080 /12492	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
13100 /12510	DEF AT -----	DEF AT 5
13130 /12536	DEF AT -----	DEF AT 4
13340 /12717	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
13477 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 546	Date of Summary: 06-SEP-2007	First Sample Examined: 9758
Lease Number: G25098	Source of Paleo: OPERATOR	Borehole MD: 13447
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 12808
API Well Number: 608174107000	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 87
Paleo Report Num: 2 of 2	Sample Range: 9722 - 13100	Water Depth: 2450
Public Info Code: Y 18-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Company-integrated foram and nanno report based on sidewall cores done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9758 / 9612	DEF AT first sample examined	DEF AT 5
9759 / 9613	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
9760 / 9614	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	POS AT 5
9798 / 9647	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
9802 / 9650	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
13017 /12437	DEF AT -----	DEF AT 4
13019 /12439	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13098 /12508	DEF AT -----	DEF AT 5
13100 /12510	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 553	Date of Summary: 11-FEB-2000	First Sample Examined: 5960
Lease Number: G21175	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16600
API Well Number: 608174086300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5960 - 16600	Water Depth: 4513
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5960 / 5960	DEF AT first sample examined	DEF AT 4
8180 / 8180	DEF AT -----	DEF AT 5
8480 / 8480	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8540 / 8540	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8990 / 8990	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9050 / 9050	DEF AT -----	DEF IN 5
9380 / 9380	DEF AT -----	DEF AT 5
9710 / 9710	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9830 / 9830	DEF AT -----	DEF AT 6
10880 /10879	DEF AT -----	DEF AT 5
10910 /10909	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
12710 /12709	DEF AT -----	DEF AT 6
13100 /13099	DEF AT -----	DEF AT 5
13640 /13639	DEF AT out-of-place section	DEF AT
14000 /13999	DEF AT -----	DEF AT 4
15650 /15649	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
15860 /15859	DEF AT -----	DEF AT 5
16250 /16249	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
16600 /16599	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 553	Date of Summary: 11-FEB-2000	First Sample Examined: 5960
Lease Number: G21175	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16600
API Well Number: 608174086300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5960 - 16600	Water Depth: 4513
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5960 / 5960	DEF AT first sample examined	DEF AT
7940 / 7940	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8119 / 8119	POS AT out-of-place section	DEF AT
8120 / 8120	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8389 / 8389	POS AT out-of-place section	DEF AT
8390 / 8390	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8391 / 8391	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8480 / 8480	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8540 / 8540	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8930 / 8930	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9620 / 9620	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9680 / 9680	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10310 /10309	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11210 /11209	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12020 /12019	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13610 /13609	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13970 /13969	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
13971 /13970	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15830 /15829	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16600 /16599	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 555	Date of Summary: 01-MAR-2002	First Sample Examined: 10430
Lease Number: G21770	Source of Paleo: OPERATOR	Borehole MD: 23105
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23102
API Well Number: 608174094001	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 10430 - 23105	Water Depth: 4749
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Timberwolf Prospect, company-integrated foram and nanno report, 16490=Upper Miocene first acme of Reticulofenestra C, 17930=Upper Miocene Discoaster transitus, 20410=Middle Miocene Globorotalia birnageae, see report for summary table of age-diagnostic bioevents and sequence stratigraphic identification from 22520 to 23105, pelagic ooze and clay predominates in lower bathyal to abyssal environments

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10430 /10429	DEF AT first sample examined	DEF AT 5
10431 /10430	DEF AT Lower Pliocene (Zanclian) Ceratolithus armatus	DEF AT 5
10910 /10909	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
13370 /13368	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
13670 /13668	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
14090 /14088	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
14990 /14988	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
15560 /15558	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
16490 /16488	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
16550 /16548	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
17450 /17448	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
17930 /17928	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT 6
18110 /18108	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
18589 /18587	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
18590 /18588	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
19429 /19427	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
19430 /19428	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
20030 /20028	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20410 /20408	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
20810 /20808	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 555	Date of Summary: 01-MAR-2002	First Sample Examined: 10430
Lease Number: G21770	Source of Paleo: OPERATOR	Borehole MD: 23105
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23102
API Well Number: 608174094001	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 10430 - 23105	Water Depth: 4749
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20850 /20848	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
21420 /21418	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
21780 /21777	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 6
21800 /21797	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
22060 /22057	DEF AT faunal change (no faunal increase)	DEF AT 5
22100 /22097	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5
22520 /22517	DEF AT faunal change (no faunal increase)	DEF AT 6
22600 /22597	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
22820 /22817	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
22860 /22857	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
22920 /22917	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22940 /22937	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 6
22980 /22977	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 6
22990 /22987	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 6
23060 /23057	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 6
23070 /23067	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 6
23105 /23102	DEF AT last sample examined	DEF AT 6

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 561	Date of Summary: 27-JUL-2001	First Sample Examined: 0
Lease Number: G19965	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14774
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14773
API Well Number: 608174092800	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 6266
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12880 /12880	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13780 /13779	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13960 /13959	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14170 /14169	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 561	Date of Summary: 30-AUG-2001	First Sample Examined: 0
Lease Number: G19965	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15603
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15598
API Well Number: 608174092801	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 6261
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13120 /13119	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
14230 /14225	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 561	Date of Summary: 10-SEP-2008	First Sample Examined: 9045
Lease Number: G19965	Source of Paleo: OPERATOR	Borehole MD: 14900
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14899
API Well Number: 608174114700	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9045 - 14920	Water Depth: 6302
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9045 / 9045	DEF AT first sample examined	DEF AT 5
9046 / 9046	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
9047 / 9047	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9349 / 9349	POS AT maximum flooding surface	DEF AT 5
9350 / 9350	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
9680 / 9680	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9888 / 9888	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
9889 / 9889	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
9890 / 9890	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9950 / 9950	DEF AT - - - - -	POS AT 6
9979 / 9979	POS AT maximum flooding surface	POS AT 6
9980 / 9980	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	POS AT 6
10100 /10100	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	POS AT 6
10370 /10370	POS AT maximum flooding surface	POS AT 6
10400 /10400	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 6
10430 /10430	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	POS AT 6
10640 /10640	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	POS AT 6
10670 /10670	DEF AT maximum flooding surface	POS AT 6
10720 /10720	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 6
11079 /11079	POS AT maximum flooding surface	POS AT 6
11080 /11080	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	POS AT 6
11620 /11619	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 561  
Lease Number: G19965  
Well Name: 002  
API Well Number: 608174114700  
Paleo Report Num: 1 of 1  
Public Info Code: Y 08-JAN-2009

Date of Summary: 10-SEP-2008  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: NOBLE ENERGY INC  
Sample Range: 9045 - 14920  
Ecozone Eq MMS: Y

First Sample Examined: 9045  
Borehole MD: 14900  
Borehole TVD: 14899  
Rkb Elevation: 82  
Water Depth: 6302  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11679 /11678	DEF AT maximum flooding surface	DEF AT 5
11680 /11679	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
12700 /12699	POS AT sequence boundary	DEF AT 5
12969 /12968	POS AT maximum flooding surface	DEF AT 5
12970 /12969	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
13030 /13029	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
13240 /13239	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
13329 /13328	DEF AT unconformity	DEF AT 5
13330 /13329	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
13480 /13479	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
13540 /13539	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
13870 /13869	POS AT sequence boundary	DEF AT 4
13959 /13958	DEF AT maximum flooding surface	DEF AT 4
13960 /13959	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
14289 /14288	POS AT maximum flooding surface	DEF AT 4
14290 /14289	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
14650 /14649	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
14920 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 561	Date of Summary: 21-JUL-2008	First Sample Examined: 14506
Lease Number: G19965	Source of Paleo: OPERATOR	Borehole MD: 19885
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19883
API Well Number: 608174114701	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14506 - 19880	Water Depth: 6302
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14506 /14505	DEF AT first sample examined	DEF AT 4
14530 /14529	DEF IN Upper Miocene (Tortonian) <i>Catinaster mexicanus</i>	DEF AT 4
17000 /16998	POS AT sequence boundary	DEF AT 4
17090 /17088	POS IN Upper Miocene (Tortonian) <i>Coccolithus miopelagicus</i>	DEF AT 4
17208 /17206	POS AT maximum flooding surface	DEF AT 5
17209 /17207	DEF AT Middle Miocene (Serravallian) <i>Discoaster kugleri</i>	DEF AT 5
17210 /17208	DEF AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT 5
17240 /17238	POS AT Middle Miocene (Serravallian) <i>Globorotalia fohsi fohsi</i>	DEF AT 5
17420 /17418	DEF AT - - - - -	DEF AT 4
18200 /18198	POS AT Middle Miocene (Serravallian) <i>Globorotalia peripheroacuta</i>	DEF AT 4
19220 /19218	POS AT maximum flooding surface	DEF AT 6
19250 /19248	POS AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT 6
19340 /19338	DEF AT - - - - -	DEF AT 5
19520 /19518	POS AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT 5
19699 /19697	POS AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus (acme)</i>	DEF AT 5
19700 /19698	POS AT Middle Miocene (Serravallian) <i>Cibicides opima</i>	DEF AT 5
19880 /19878	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 580	Date of Summary: 07-JAN-1999	First Sample Examined: 5590
Lease Number: G18259	Source of Paleo: OPERATOR	Borehole MD: 19620
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19519
API Well Number: 608174080900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5590 - 19620	Water Depth: 2611
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5590 / 5590	DEF AT first sample examined	DEF AT
6370 / 6370	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6580 / 6580	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6610 / 6610	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7060 / 7060	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7150 / 7150	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7180 / 7180	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7210 / 7210	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7240 / 7240	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7510 / 7510	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7690 / 7690	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9220 / 9220	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9520 / 9520	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9910 / 9910	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11530 /11530	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12220 /12219	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13390 /13389	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15160 /15158	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16600 /16595	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17530 /17520	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18640 /18613	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19390 /19315	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 580	Date of Summary: 07-JAN-1999	First Sample Examined: 5590
Lease Number: G18259	Source of Paleo: OPERATOR	Borehole MD: 19620
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19519
API Well Number: 608174080900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5590 - 19620	Water Depth: 2611
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19620 /19519	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 580	Date of Summary: 08-JAN-1999	First Sample Examined: 5590
Lease Number: G18259	Source of Paleo: OPERATOR	Borehole MD: 19620
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19519
API Well Number: 608174080900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 5590 - 19620	Water Depth: 2611
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5590 / 5590	DEF AT first sample examined	POS AT 5
6280 / 6280	DEF AT faunal change (no faunal increase)	DEF IN 5
6340 / 6340	DEF AT Lower Pleistocene (Calabrian) Stilosomella antillea	DEF IN 5
6610 / 6610	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6850 / 6850	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
7060 / 7060	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7210 / 7210	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7270 / 7270	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
7300 / 7300	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7810 / 7810	DEF AT faunal change (no faunal increase)	DEF AT 5
7960 / 7960	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
8980 / 8980	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9910 / 9910	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
9940 / 9940	DEF AT faunal change (no faunal increase)	DEF AT 6
11590 /11590	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12220 /12219	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14050 /14049	DEF AT faunal change (no faunal increase)	DEF AT 5
15790 /15787	DEF AT faunal change (no faunal increase)	DEF AT 6
17650 /17638	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
19620 /19519	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 07-JUN-2000	First Sample Examined: 7100
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 10293
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9300
API Well Number: 608174087401	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 7100 - 10293	Water Depth: 2223
Public Info Code: Y 26-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7100 / 6746	DEF AT first sample examined	DEF AT 5
7101 / 6746	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7880 / 7403	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7910 / 7428	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7940 / 7454	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8120 / 7604	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8210 / 7677	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
8299 / 7749	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
8300 / 7749	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8479 / 7890	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
8480 / 7891	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
8690 / 8050	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10293 / 9300	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 09-JUN-2000	First Sample Examined: 7100
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 10293
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9300
API Well Number: 608174087401	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 7100 - 10293	Water Depth: 2223
Public Info Code: Y 26-MAR-2010	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7100 / 6746	DEF AT first sample examined	DEF AT
7640 / 7199	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7880 / 7403	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7940 / 7454	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8030 / 7529	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8090 / 7579	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8150 / 7628	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8359 / 7796	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8360 / 7797	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8540 / 7936	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9950 / 9035	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10293 / 9300	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 07-JUN-2000	<b>First Sample Examined:</b> 10280
<b>Lease Number:</b> G16614	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10971
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9800
<b>API Well Number:</b> 608174087402	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10280 - 10971	<b>Water Depth:</b> 2223
<b>Public Info Code:</b> Y 28-APR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 / 9268	DEF AT first sample examined	DEF AT 5
10281 / 9269	DEF IN Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 5
10282 / 9269	DEF IN Lower Pliocene (Zanclian) <i>Sigmoilina "P" / cf. schlumbergeri</i>	DEF AT 5
10971 / 9800	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 09-JUN-2000	<b>First Sample Examined:</b> 10310
<b>Lease Number:</b> G16614	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10971
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9800
<b>API Well Number:</b> 608174087402	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10310 - 10971	<b>Water Depth:</b> 2223
<b>Public Info Code:</b> Y 28-APR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10310 / 9292	DEF AT first sample examined	DEF AT
10880 / 9734	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10971 / 9800	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 07-JUN-2000	First Sample Examined: 10270
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12402
API Well Number: 608174087404	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 10270 - 14100	Water Depth: 2223
Public Info Code: Y 23-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
10270 / 9260	DEF AT first sample examined	DEF AT 5
10570 / 9509	POS IN Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
10690 / 9607	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10780 / 9680	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10810 / 9705	DEF AT local marker benthic foram increase	DEF AT 5
10900 / 9778	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11030 / 9883	DEF AT local marker foram increase	DEF IN 5
11090 / 9931	DEF AT faunal change (no faunal increase)	DEF AT 6
11420 /10196	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
11930 /10606	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12320 /10923	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12650 /11192	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
14060 /12368	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
14100 /12402	DEF AT last sample examined	DEF AT 6

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 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 09-JUN-2000	<b>First Sample Examined:</b> 10270
<b>Lease Number:</b> G16614	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12402
<b>API Well Number:</b> 608174087404	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10270 - 14100	<b>Water Depth:</b> 2223
<b>Public Info Code:</b> Y 23-MAY-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10270 / 9260	DEF AT first sample examined	DEF AT
10271 / 9261	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11000 / 9858	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11360 /10148	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12290 /10899	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12980 /11465	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
14100 /12402	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 23-NOV-1999	<b>First Sample Examined:</b> 5760
<b>Lease Number:</b> G16614	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12115
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10446
<b>API Well Number:</b> 608174085202	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5760 - 12115	<b>Water Depth:</b> 2223
<b>Public Info Code:</b> Y 14-DEC-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5760 / 5760	DEF AT first sample examined	DEF AT
6120 / 6119	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6330 / 6327	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7690 / 7555	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7720 / 7577	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7930 / 7726	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8020 / 7785	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8080 / 7822	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8350 / 7983	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8530 / 8091	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10960 / 9668	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12115 /10446	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 24-NOV-1999	First Sample Examined: 5760
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 12115
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10446
API Well Number: 608174085202	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 5760 - 12115	Water Depth: 2223
Public Info Code: Y 14-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5760 / 5760	DEF AT first sample examined	DEF AT 5
6060 / 6059	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6120 / 6119	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6880 / 6854	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
7000 / 6965	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7630 / 7509	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7930 / 7726	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8139 / 7858	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
8140 / 7858	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
8259 / 7929	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
8260 / 7930	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
8380 / 8001	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8470 / 8055	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
8860 / 8288	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
8980 / 8364	DEF AT poor sample interval top	POS IN 5
11620 /10110	DEF AT poor sample interval bottom	DEF IN 5
12115 /10446	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 02-AUG-2001	First Sample Examined: 6776
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 15562
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12301
API Well Number: 608174085205	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 6776 - 15562	Water Depth: 2223
Public Info Code: Y 01-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6776 / 6659	DEF AT first sample examined	DEF AT 5
6866 / 6732	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7766 / 7416	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8246 / 7776	DEF AT sample gap top	POS AT 5
8395 / 7887	DEF AT sample gap bottom	DEF AT 5
8396 / 7888	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8606 / 8044	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9166 / 8459	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15460 /12253	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
15562 /12301	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 02-AUG-2001	<b>First Sample Examined:</b> 6776
<b>Lease Number:</b> G16614	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15562
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12301
<b>API Well Number:</b> 608174085205	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6776 - 15562	<b>Water Depth:</b> 2223
<b>Public Info Code:</b> Y 01-AUG-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6776 / 6659	DEF AT first sample examined	DEF AT
6956 / 6803	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7496 / 7209	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8006 / 7597	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8156 / 7709	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8486 / 7955	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8606 / 8044	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8636 / 8066	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10810 / 9683	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15430 /12239	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15520 /12281	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15562 /12301	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 06-MAR-2002	<b>First Sample Examined:</b> 8130
<b>Lease Number:</b> G16614	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17580
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10546
<b>API Well Number:</b> 608174094300	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8130 - 17580	<b>Water Depth:</b> 2214
<b>Public Info Code:</b> Y 10-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8130 / 6448	DEF AT first sample examined	DEF AT 5
8250 / 6499	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11130 / 7713	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11240 / 7760	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11360 / 7811	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11470 / 7857	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13270 / 8643	DEF AT -----	DEF AT 4
14530 / 9177	DEF AT -----	DEF AT 5
17580 /10546	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 06-MAR-2002	First Sample Examined: 8130
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10546
API Well Number: 608174094300	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 8130 - 17580	Water Depth: 2214
Public Info Code: Y 10-FEB-2012	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8130 / 6448	DEF AT first sample examined	DEF AT
8160 / 6461	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9030 / 6827	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11130 / 7713	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11240 / 7760	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11270 / 7773	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11390 / 7823	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15830 / 9741	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17580 /10546	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 25-OCT-1999	<b>First Sample Examined:</b> 6210
<b>Lease Number:</b> G16623	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16950
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15621
<b>API Well Number:</b> 608174085200	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6210 - 16950	<b>Water Depth:</b> 2223
<b>Public Info Code:</b> Y 16-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6210 / 6210	DEF AT first sample examined	DEF IN 5
6211 / 6211	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6450 / 6450	DEF AT -----	DEF AT 5
6540 / 6540	DEF AT -----	DEF AT 4
6810 / 6810	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
7650 / 7650	DEF AT -----	DEF AT 5
7680 / 7680	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7740 / 7740	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7860 / 7859	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8190 / 8188	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10620 /10436	DEF AT -----	DEF AT 6
10650 /10460	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10710 /10508	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11280 /10968	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11790 /11381	DEF AT -----	DEF AT 5
12930 /12313	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16110 /14916	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
16950 /15621	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 25-OCT-1999	First Sample Examined: 6210
Lease Number: G16623	Source of Paleo: OPERATOR	Borehole MD: 16950
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15621
API Well Number: 608174085200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 6210 - 16950	Water Depth: 2223
Public Info Code: Y 16-NOV-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6210 / 6210	DEF AT first sample examined	DEF AT
6211 / 6211	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7530 / 7530	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7680 / 7680	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7710 / 7710	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7740 / 7740	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7770 / 7770	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7800 / 7800	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8010 / 8009	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8190 / 8188	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9600 / 9566	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10710 /10508	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11310 /10992	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12840 /12239	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14100 /13260	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16080 /14892	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16500 /15237	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16620 /15338	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16650 /15363	DEF AT salt	DEF AT
16950 /15621	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 01-NOV-2001	First Sample Examined: 6800
Lease Number: G16623	Source of Paleo: OPERATOR	Borehole MD: 15789
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13704
API Well Number: 608174094101	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 6800 - 15730	Water Depth: 2214
Public Info Code: Y 09-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6800 / 6799	DEF AT first sample examined	DEF AT 4
6890 / 6889	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
7670 / 7667	DEF AT - - - - -	DEF AT 5
7760 / 7756	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7790 / 7786	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
7820 / 7816	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7910 / 7905	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
7940 / 7934	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8150 / 8143	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10970 /10418	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11000 /10438	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11910 /11035	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12560 /11458	DEF AT - - - - -	DEF AT 5
13750 /12221	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
14200 /12523	DEF AT - - - - -	DEF AT 6
15730 /13659	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 07-NOV-2001	First Sample Examined: 6800
Lease Number: G16623	Source of Paleo: OPERATOR	Borehole MD: 15789
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13704
API Well Number: 608174094101	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 6800 - 15760	Water Depth: 2214
Public Info Code: Y 09-OCT-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 13750=mixed of reworked Late/Middle Miocene flora inclusive of *C mexicanus*, *D loeblichii*, *S heteromorphus* RARE, CONSISTENTLY DEVELOPED AT 14230, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6800 / 6799	DEF AT first sample examined	DEF AT
6801 / 6800	DEF IN Lower Pleistocene (Calabrian) <i>Pseudoemiliana lacunosa</i> "C" (acme)	DEF AT
6980 / 6979	DEF AT Lower Pleistocene (Calabrian) <i>Helicosphaera sellii</i>	DEF AT
7790 / 7786	DEF AT Upper Pliocene (Gelasian) <i>Discoaster brouweri</i>	DEF AT
7820 / 7816	DEF AT Upper Pliocene (Gelasian) <i>Discoaster pentaradiatus</i>	DEF AT
7850 / 7845	DEF AT Upper Pliocene (Gelasian) <i>Discoaster surculus</i>	DEF AT
7910 / 7905	DEF AT Upper Pliocene (Piacenzian) <i>Discoaster tamalis</i>	DEF AT
8150 / 8143	DEF AT Lower Pliocene (Zanclian) <i>Sphenolithus abies</i>	DEF AT
8240 / 8232	DEF AT Lower Pliocene (Zanclian) <i>Pseudosphenolithus abies</i> "B" (acme)	DEF AT
9650 / 9545	DEF AT Lower Pliocene (Zanclian) <i>Sphenolithus abies</i> "B"	DEF AT
11090 /10497	POS AT Lower Pliocene (Zanclian) <i>Amaurolithus tricorniculatus</i>	DEF AT
11910 /11035	DEF AT Lower Pliocene (Zanclian) <i>Ceratolithus acutus</i>	DEF AT
13750 /12221	DEF AT out-of-place section	DEF AT
13960 /12358	DEF AT Upper Miocene (Messinian) <i>Discoaster quinquerramus</i>	DEF AT
15760 /13682	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 04-FEB-2002	First Sample Examined: 6900
Lease Number: G16623	Source of Paleo: OPERATOR	Borehole MD: 13200
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10118
API Well Number: 608174094400	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 6900 - 13200	Water Depth: 2215
Public Info Code: Y 04-DEC-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6900 / 6398	DEF AT first sample examined	DEF AT
7900 / 7021	DEF AT sample gap top	DEF AT
8700 / 7463	DEF AT sample gap bottom	DEF AT
9060 / 7662	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9260 / 7774	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9340 / 7819	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9370 / 7836	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9490 / 7904	DEF AT sample gap top	DEF AT
9630 / 7981	DEF AT sample gap bottom	DEF AT
9840 / 8100	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10050 / 8224	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11700 / 9196	DEF AT sample gap top	DEF AT
12150 / 9468	DEF AT sample gap bottom	DEF AT
13200 /10118	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 05-FEB-2002	<b>First Sample Examined:</b> 6900
<b>Lease Number:</b> G16623	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13200
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10118
<b>API Well Number:</b> 608174094400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6900 - 13170	<b>Water Depth:</b> 2215
<b>Public Info Code:</b> Y 04-DEC-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6900 / 6398	DEF AT first sample examined	DEF AT 5
7080 / 6515	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7870 / 7004	DEF AT sample gap top	DEF AT 5
8700 / 7463	DEF AT sample gap bottom	DEF AT 5
9060 / 7662	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9370 / 7836	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9460 / 7887	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9461 / 7888	DEF AT sample gap top	DEF AT 5
9630 / 7981	DEF AT sample gap bottom	DEF AT 5
9730 / 8037	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11700 / 9196	DEF AT sample gap top	DEF AT 5
12150 / 9468	DEF AT sample gap bottom	DEF AT 5
12330 / 9584	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13170 / 10099	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 21-MAR-2002	First Sample Examined: 6630
Lease Number: G16623	Source of Paleo: OPERATOR	Borehole MD: 14000
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13547
API Well Number: 608174097800	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 6630 - 14000	Water Depth: 2208
Public Info Code: Y 14-APR-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6630 / 6630	DEF AT first sample examined	DEF AT 5
6689 / 6689	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
6690 / 6690	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7530 / 7521	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7680 / 7663	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7710 / 7691	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
7740 / 7719	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
7770 / 7747	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7830 / 7803	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
7890 / 7858	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7919 / 7884	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
7920 / 7885	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
7980 / 7938	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
8189 / 8123	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8190 / 8124	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
8250 / 8177	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
8460 / 8358	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
8820 / 8668	DEF AT local marker benthic foram increase	DEF AT 5
10890 /10481	DEF AT local marker benthic foram increase	DEF AT 6
11460 /11015	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11700 /11251	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12180 /11728	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 582	<b>Date of Summary:</b> 21-MAR-2002	<b>First Sample Examined:</b> 6630
<b>Lease Number:</b> G16623	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14000
<b>Well Name:</b> A006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13547
<b>API Well Number:</b> 608174097800	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6630 - 14000	<b>Water Depth:</b> 2208
<b>Public Info Code:</b> Y 14-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12540 /12088	DEF AT -----	DEF AT 5
14000 /13547	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 582	Date of Summary: 21-MAR-2002	First Sample Examined: 6630
Lease Number: G16623	Source of Paleo: OPERATOR	Borehole MD: 14000
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13547
API Well Number: 608174097800	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 6630 - 14000	Water Depth: 2208
Public Info Code: Y 14-APR-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6630 / 6630	DEF AT first sample examined	DEF AT
6660 / 6660	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7500 / 7492	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7768 / 7746	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7769 / 7746	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7770 / 7747	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7890 / 7858	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7979 / 7937	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7980 / 7938	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8040 / 7991	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8250 / 8177	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12510 /12058	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14000 /13547	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 583	Date of Summary: 01-NOV-1998	First Sample Examined: 4058
Lease Number: G16624	Source of Paleo: OPERATOR	Borehole MD: 11300
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 11300
API Well Number: 608174081800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 4058 - 11270	Water Depth: 2485
Public Info Code: Y 22-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 6520=Globorotalia tosaensis acme, 11200=Globigerina mitra (low)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4058 / 4058	DEF AT first sample examined	DEF IN 4
4059 / 4059	DEF AT Middle Pleistocene (Ionian) Crenolithus doronicoides (flood)	DEF IN 4
4060 / 4060	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5260 / 5259	DEF AT Upper Pleistocene (Ionian) Helicosphaera inversa	DEF IN 4
5650 / 5649	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
6520 / 6519	DEF AT local marker planktic foram increase	DEF IN 4
6521 / 6520	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
7420 / 7418	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana annula (large)	DEF IN 4
7480 / 7478	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF IN 4
7540 / 7538	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF IN 4
7570 / 7568	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF IN 4
7750 / 7748	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
7840 / 7838	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
7900 / 7898	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
8020 / 8018	DEF AT reworked material	DEF IN 4
8021 / 8019	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
8080 / 8078	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 4
8083 / 8081	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 4
8084 / 8082	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
8410 / 8408	DEF AT local marker floral increase	DEF IN 4
9040 / 9038	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 4
9820 / 9818	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 583	<b>Date of Summary:</b> 01-NOV-1998	<b>First Sample Examined:</b> 4058
<b>Lease Number:</b> G16624	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11300
<b>Well Name:</b> 001	<b>Paleo Done By:</b> MICRO-STRAT	<b>Borehole TVD:</b> 11300
<b>API Well Number:</b> 608174081800	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4058 - 11270	<b>Water Depth:</b> 2485
<b>Public Info Code:</b> Y 22-SEP-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10090 /10088	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 4
10300 /10298	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 4
11170 /11167	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 4
11171 /11168	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF IN 4
11200 /11197	DEF AT local marker (general)	DEF IN 4
11270 /11267	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 584  
 Lease Number: G14010  
 Well Name: 001  
 API Well Number: 608174057700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 21-JUL-2000

Date of Summary: 12-MAY-1998  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: NORCEN EXPLORER INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 16302  
 Borehole TVD: 16082  
 Rkb Elevation: 85  
 Water Depth: 2350  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9440 / 9225	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9470 / 9255	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 587	Date of Summary: 29-NOV-2001	First Sample Examined: 5250
Lease Number: G16625	Source of Paleo: OPERATOR	Borehole MD: 8718
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8712
API Well Number: 608174094900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 5250 - 8700	Water Depth: 2338
Public Info Code: Y 31-AUG-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5250 / 5246	DEF AT first sample examined	DEF AT 6
5280 / 5276	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 6
5370 / 5366	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
5760 / 5756	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
5999 / 5995	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 6
6000 / 5996	DEF AT foram flood	DEF AT 6
6030 / 6026	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 6
6270 / 6266	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
6390 / 6386	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
6418 / 6414	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 6
6419 / 6415	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 6
6420 / 6416	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
6448 / 6444	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
6449 / 6445	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 6
6450 / 6446	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
6477 / 6473	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
6478 / 6474	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 6
6479 / 6475	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
6480 / 6476	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 6
6500 / 6496	DEF AT - - - - -	DEF IN 6
6660 / 6656	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 6
6690 / 6686	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 587	Date of Summary: 29-NOV-2001	First Sample Examined: 5250
Lease Number: G16625	Source of Paleo: OPERATOR	Borehole MD: 8718
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8712
API Well Number: 608174094900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 5250 - 8700	Water Depth: 2338
Public Info Code: Y 31-AUG-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6779 / 6775	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 6
6780 / 6776	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 6
6840 / 6836	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 6
6900 / 6896	DEF AT out-of-place section	DEF IN 6
6959 / 6954	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 6
6960 / 6955	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 6
7980 / 7975	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
8500 / 8494	DEF AT last sample examined	DEF IN 6



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 587	Date of Summary: 18-FEB-2002	First Sample Examined: 6750
Lease Number: G16625	Source of Paleo: OPERATOR	Borehole MD: 14068
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14056
API Well Number: 608174094901	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 6750 - 13920	Water Depth: 2338
Public Info Code: Y 31-AUG-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6750 / 6746	DEF AT first sample examined	DEF IN 6
6751 / 6747	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 6
6840 / 6836	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 6
6900 / 6896	DEF AT out-of-place section	DEF IN 6
6990 / 6986	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 6
7740 / 7735	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 6
7800 / 7795	DEF AT local marker floral increase	DEF IN 6
8639 / 8630	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 6
8640 / 8631	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF IN 6
8879 / 8869	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF IN 6
8880 / 8870	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
9690 / 9678	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 6
9720 / 9708	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 6
10950 /10938	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 6
12090 /12078	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF IN 6
12300 /12288	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 6
12810 /12798	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 6
12838 /12826	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF IN 6
12839 /12827	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 6
12840 /12828	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 6
12960 /12948	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 6
13620 /13608	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 587	Date of Summary: 18-FEB-2002	First Sample Examined: 6750
Lease Number: G16625	Source of Paleo: OPERATOR	Borehole MD: 14068
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14056
API Well Number: 608174094901	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 6750 - 13920	Water Depth: 2338
Public Info Code: Y 31-AUG-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13920 /13908	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 595	Date of Summary: 08-JAN-2001	First Sample Examined: 8035
Lease Number: G21177	Source of Paleo: OPERATOR	Borehole MD: 15725
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15240
API Well Number: 608174089800	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 8035 - 15698	Water Depth: 4608
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8035 / 8035	DEF AT first sample examined	DEF AT 5
8070 / 8070	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
8340 / 8340	DEF AT faunal change (no faunal increase)	DEF IN 5
8520 / 8520	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9210 / 9210	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9480 / 9480	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11040 /11040	DEF AT faunal change (no faunal increase)	DEF AT 5
12290 /12277	DEF AT faunal change (no faunal increase)	DEF IN 5
12500 /12471	DEF AT faunal change (no faunal increase)	DEF AT 5
14120 /13862	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 5
14510 /14195	DEF AT faunal change (no faunal increase)	DEF IN 5
14870 /14504	DEF AT faunal change (no faunal increase)	DEF AT 5
15200 /14789	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15320 /14892	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
15698 /15217	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 595	<b>Date of Summary:</b> 08-JAN-2001	<b>First Sample Examined:</b> 8035
<b>Lease Number:</b> G21177	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15725
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15240
<b>API Well Number:</b> 608174089800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8035 - 15698	<b>Water Depth:</b> 4608
<b>Public Info Code:</b> Y 31-MAY-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8035 / 8035	DEF AT first sample examined	DEF AT
8036 / 8036	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8310 / 8310	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8820 / 8820	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9210 / 9210	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9450 / 9450	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11070 /11070	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12230 /12220	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14210 /13939	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
14330 /14042	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14540 /14220	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15698 /15217	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 607	Date of Summary: 15-DEC-1997	First Sample Examined: 10010
Lease Number: G09837	Source of Paleo: OPERATOR	Borehole MD: 17136
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16556
API Well Number: 608174057800	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 10010 - 17136	Water Depth: 6590
Public Info Code: Y 02-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 /10010	DEF AT first sample examined	DEF AT 4
10011 /10011	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10040 /10040	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10370 /10370	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
10400 /10400	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
10550 /10550	DEF AT faunal change (no faunal increase)	POS AT 4
10610 /10610	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS AT 4
10850 /10850	DEF AT faunal change (no faunal increase)	DEF AT 4
11030 /11030	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS AT 4
11120 /11120	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	POS AT 4
11210 /11210	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	POS AT 4
11240 /11240	DEF AT faunal change (no faunal increase)	DEF AT 4
11510 /11510	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
11720 /11720	DEF AT faunal change (no faunal increase)	POS AT 4
11900 /11900	DEF AT faunal change (no faunal increase)	DEF AT 4
12530 /12530	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
13430 /13420	DEF AT faunal change (no faunal increase)	POS AT 4
13490 /13476	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	POS AT 4
13550 /13532	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS AT 4
13970 /13902	DEF AT faunal change (no faunal increase)	DEF AT 4
14150 /14049	DEF AT faunal change (no faunal increase)	POS AT 4
14580 /14401	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 607	<b>Date of Summary:</b> 15-DEC-1997	<b>First Sample Examined:</b> 10010
<b>Lease Number:</b> G09837	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17136
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16556
<b>API Well Number:</b> 608174057800	<b>Drilling Operator:</b> AMOCO CORPORATION	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10010 - 17136	<b>Water Depth:</b> 6590
<b>Public Info Code:</b> Y 02-DEC-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14990 /14741	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
15170 /14890	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
15800 /15417	DEF AT faunal change (no faunal increase)	DEF AT 4
16070 /15645	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
17136 /16556	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 607	Date of Summary: 15-DEC-1997	First Sample Examined: 14440
Lease Number: G09837	Source of Paleo: OPERATOR	Borehole MD: 17338
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16486
API Well Number: 608174057801	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 14400 - 17340	Water Depth: 6590
Public Info Code: Y 12-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14440 /14286	DEF AT first sample examined	POS AT 4
14520 /14351	DEF AT faunal change (no faunal increase)	POS AT 4
14940 /14688	DEF AT faunal change (no faunal increase)	DEF AT 4
15030 /14759	DEF AT faunal change (no faunal increase)	POS AT 4
15750 /15310	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
17340 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 617	Date of Summary: 27-JUL-2004	First Sample Examined: 2932
Lease Number: G18265	Source of Paleo: OPERATOR	Borehole MD: 19272
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19173
API Well Number: 608174104400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 2932 - 19272	Water Depth: 563
Public Info Code: Y 02-SEP-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2932 / 2932	DEF AT first sample examined	DEF AT 4
2933 / 2933	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4310 / 4309	DEF AT - - - - -	DEF AT 5
4370 / 4369	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4640 / 4637	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5720 / 5713	DEF AT - - - - -	DEF IN 5
5750 / 5743	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5840 / 5833	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5900 / 5892	DEF AT - - - - -	DEF AT 5
6680 / 6669	DEF AT - - - - -	DEF IN 5
7100 / 7088	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7130 / 7118	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
7190 / 7178	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
7220 / 7208	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7430 / 7417	DEF AT - - - - -	DEF AT 5
8510 / 8495	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13730 /13638	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
13731 /13639	DEF AT anhydrite	DEF AT 5
13732 /13640	POS AT salt	DEF AT 5
13790 /13698	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
13970 /13878	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15800 /15708	POS AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 617	<b>Date of Summary:</b> 27-JUL-2004	<b>First Sample Examined:</b> 2932
<b>Lease Number:</b> G18265	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19272
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19173
<b>API Well Number:</b> 608174104400	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2932 - 19272	<b>Water Depth:</b> 563
<b>Public Info Code:</b> Y 02-SEP-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18560 /18463	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
19272 /19173	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 617	Date of Summary: 27-JUL-2004	First Sample Examined: 4010
Lease Number: G18265	Source of Paleo: OPERATOR	Borehole MD: 19272
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19173
API Well Number: 608174104400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 89
Paleo Report Num: 2 of 2	Sample Range: 4010 - 19272	Water Depth: 563
Public Info Code: Y 02-SEP-2004	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4010 / 4010	DEF AT first sample examined	DEF AT
4310 / 4309	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5270 / 5264	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5720 / 5713	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5750 / 5743	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5840 / 5833	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6680 / 6669	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6740 / 6729	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6980 / 6968	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7070 / 7058	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7100 / 7088	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7130 / 7118	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7160 / 7148	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8630 / 8614	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10670 /10648	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13430 /13339	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13730 /13638	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13760 /13668	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
13790 /13698	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13820 /13728	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13910 /13818	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13970 /13878	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 617  
Lease Number: G18265  
Well Name: 001  
API Well Number: 608174104400  
Paleo Report Num: 2 of 2  
Public Info Code: Y 02-SEP-2004

Date of Summary: 27-JUL-2004  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: MARINER GULF OF MEXICO LLC  
Sample Range: 4010 - 19272  
Ecozone Eq MMS:

First Sample Examined: 4010  
Borehole MD: 19272  
Borehole TVD: 19173  
Rkb Elevation: 89  
Water Depth: 563  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15290 /15198	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15410 /15318	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15800 /15708	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
17240 /17146	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18500 /18403	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19010 /18912	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19272 /19173	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 620	Date of Summary: 28-SEP-1999	First Sample Examined: 4020
Lease Number: G13683	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10948
API Well Number: 608174084900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4020 - 11000	Water Depth: 2167
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 4020	DEF AT first sample examined	DEF AT 4
4950 / 4950	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
5220 / 5220	DEF AT - - - - -	DEF AT 5
5490 / 5490	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6360 / 6360	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7320 / 7320	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
7440 / 7440	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7530 / 7530	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7590 / 7590	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
7620 / 7620	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
7650 / 7650	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7800 / 7800	DEF AT - - - - -	DEF AT 5
8850 / 8843	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9900 / 9859	DEF AT - - - - -	DEF AT 6
9930 / 9888	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10770 /10719	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11000 /10947	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 620	Date of Summary: 28-SEP-1999	First Sample Examined: 4020
Lease Number: G13683	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10948
API Well Number: 608174084900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4020 - 11000	Water Depth: 2167
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 4020	DEF AT first sample examined	DEF AT
5280 / 5280	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5910 / 5910	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6330 / 6330	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6360 / 6360	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7290 / 7290	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7440 / 7440	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7500 / 7500	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7530 / 7530	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7620 / 7620	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7830 / 7830	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7860 / 7860	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8550 / 8547	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8880 / 8872	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9000 / 8990	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10770 /10719	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11000 /10947	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 627	Date of Summary: 23-MAR-2004	First Sample Examined: 6720
Lease Number: G24098	Source of Paleo: OPERATOR	Borehole MD: 14350
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14182
API Well Number: 608174103600	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6720 - 14350	Water Depth: 2745
Public Info Code: Y 19-AUG-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6720 / 6720	DEF AT first sample examined	DEF AT 5
6721 / 6721	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6960 / 6960	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7530 / 7530	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7890 / 7890	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8950 / 8950	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9100 / 9100	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9220 / 9220	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9250 / 9250	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9280 / 9280	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9400 / 9400	DEF AT faunal change (no faunal increase)	DEF AT 5
9850 / 9850	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10150 /10149	DEF AT faunal change (no faunal increase)	DEF AT 5
10420 /10419	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10450 /10449	DEF AT local marker deep water fauna	DEF AT 6
10480 /10479	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11080 /11068	DEF AT faunal change (no faunal increase)	DEF AT 5
11620 /11561	DEF AT local marker deep water fauna	DEF AT 6
12490 /12357	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14050 /13887	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14350 /14182	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 627	<b>Date of Summary:</b> 24-MAR-2004	<b>First Sample Examined:</b> 6720
<b>Lease Number:</b> G24098	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14350
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14182
<b>API Well Number:</b> 608174103600	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6720 - 14350	<b>Water Depth:</b> 2745
<b>Public Info Code:</b> Y 19-AUG-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6720 / 6720	DEF AT first sample examined	DEF AT
7500 / 7500	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7530 / 7530	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7560 / 7560	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8890 / 8890	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8950 / 8950	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9010 / 9010	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9070 / 9070	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9250 / 9250	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9730 / 9730	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9880 / 9880	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10090 /10089	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11680 /11613	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12340 /12213	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13780 /13622	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14020 /13858	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14320 /14153	DEF AT out-of-place section	DEF AT
14350 /14182	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 632	Date of Summary: 01-SEP-2000	First Sample Examined: 4500
Lease Number: G15498	Source of Paleo: OPERATOR	Borehole MD: 10548
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10500
API Well Number: 608174089300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 4500 - 10548	Water Depth: 2795
Public Info Code: Y 31-AUG-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT
4501 / 4501	DEF IN Holocene Globorotalia inflata	DEF AT
4890 / 4890	DEF AT -----	DEF IN 3
5250 / 5250	DEF AT -----	DEF AT 4
5370 / 5370	DEF AT -----	DEF IN 3
5860 / 5860	DEF AT local marker foram increase	DEF AT 5
5890 / 5890	DEF AT -----	DEF AT 6
5950 / 5950	POS AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 6
6010 / 6010	DEF AT -----	DEF AT 4
6490 / 6490	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6820 / 6820	DEF AT -----	DEF AT 5
6850 / 6850	DEF AT local marker foram increase	DEF AT 5
7060 / 7060	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
7061 / 7061	POS AT unconformity	DEF AT 6
7062 / 7062	POS AT condensed section	DEF AT 6
7150 / 7150	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
7180 / 7180	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
7210 / 7210	DEF AT -----	DEF AT 5
7450 / 7448	DEF AT -----	DEF AT 6
7629 / 7623	DEF AT condensed section	DEF AT 6
7630 / 7624	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
7631 / 7625	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 632	Date of Summary: 01-SEP-2000	First Sample Examined: 4500
Lease Number: G15498	Source of Paleo: OPERATOR	Borehole MD: 10548
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10500
API Well Number: 608174089300	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 4500 - 10548	Water Depth: 2795
Public Info Code: Y 31-AUG-2003	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8110 / 8084	DEF IN Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 6
8440 / 8400	DEF AT pyrite	DEF AT 6
8530 / 8488	DEF AT - - - - -	DEF AT 5
8770 / 8724	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
8830 / 8783	DEF AT local marker foram decrease	POS AT 4
9250 / 9203	DEF AT reworked material	DEF AT 6
9310 / 9263	DEF AT local marker foram increase	DEF AT 6
9490 / 9443	DEF AT - - - - -	DEF AT 5
9550 / 9503	DEF AT - - - - -	DEF AT 4
9760 / 9713	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
9895 / 9848	DEF AT - - - - -	DEF AT 5
9995 / 9948	DEF AT local marker foram increase	DEF AT 5
10160 /10113	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10250 /10203	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
10370 /10323	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10548 /10501	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 632	<b>Date of Summary:</b> 01-SEP-2000	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G15498	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10548
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 10500
<b>API Well Number:</b> 608174089300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4500 - 10548	<b>Water Depth:</b> 2795
<b>Public Info Code:</b> Y 31-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT
4501 / 4501	POS IN Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
5160 / 5160	DEF AT Upper Pleistocene (Ionian) Emiliana huxleyi (base of acme)	DEF AT
5770 / 5770	POS AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
5950 / 5950	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
6819 / 6819	POS AT condensed section	DEF AT
6820 / 6820	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6880 / 6880	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7030 / 7030	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
7150 / 7150	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
7360 / 7359	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7390 / 7388	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7420 / 7418	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
7450 / 7448	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
7570 / 7566	DEF AT local marker floral increase	DEF AT
7600 / 7595	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
7629 / 7623	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7630 / 7624	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7660 / 7654	POS AT condensed section	DEF AT
7690 / 7683	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
8380 / 8342	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
9925 / 9878	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 632	<b>Date of Summary:</b> 01-SEP-2000	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G15498	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10548
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 10500
<b>API Well Number:</b> 608174089300	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4500 - 10548	<b>Water Depth:</b> 2795
<b>Public Info Code:</b> Y 31-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 /10233	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10460 /10413	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10520 /10473	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 635	Date of Summary: 10-APR-2000	First Sample Examined: 5700
Lease Number: G14643	Source of Paleo: OPERATOR	Borehole MD: 18265
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18264
API Well Number: 608174087100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5700 - 18265	Water Depth: 3290
Public Info Code: Y 30-APR-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5700 / 5700	DEF AT first sample examined	POS AT 5
5701 / 5701	DEF AT cement	POS AT 5
6180 / 6180	DEF AT - - - - -	DEF AT 5
6290 / 6290	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7260 / 7260	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7380 / 7380	DEF AT - - - - -	DEF IN 5
7650 / 7650	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
7740 / 7740	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
8640 / 8640	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8820 / 8820	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
9660 / 9660	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
9780 / 9780	DEF AT - - - - -	DEF AT 5
10140 /10140	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10500 /10500	DEF AT - - - - -	DEF AT 6
12240 /12240	DEF AT - - - - -	DEF AT 5
12330 /12330	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
16290 /16290	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
16350 /16350	DEF AT - - - - -	DEF AT 6
16620 /16620	DEF AT - - - - -	DEF AT 5
18000 /17999	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
18265 /18264	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 635	Date of Summary: 10-APR-2000	First Sample Examined: 5700
Lease Number: G14643	Source of Paleo: OPERATOR	Borehole MD: 18265
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18264
API Well Number: 608174087100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 5700 - 18275	Water Depth: 3290
Public Info Code: Y 30-APR-2004	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5700 / 5700	DEF AT first sample examined	DEF AT
6660 / 6660	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7200 / 7200	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7620 / 7620	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7680 / 7680	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7829 / 7829	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7830 / 7830	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8280 / 8280	DEF AT sample gap top	DEF AT
8580 / 8580	DEF AT sample gap bottom	DEF AT
8640 / 8640	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8700 / 8700	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9450 / 9450	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9660 / 9660	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10140 / 10140	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11520 / 11520	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
13020 / 13020	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14190 / 14190	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14250 / 14250	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16020 / 16020	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
16320 / 16320	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18265 / 18264	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 637	Date of Summary: 04-FEB-2004	First Sample Examined: 6437
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 3	Sample Range: 6437 - 26900	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6437 / 6433	DEF AT first sample examined	DEF AT
7810 / 7804	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7869 / 7863	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7870 / 7864	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7930 / 7924	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7960 / 7954	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8440 / 8434	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9640 / 9634	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10240 /10234	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10870 /10864	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
11890 /11883	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12820 /12810	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14290 /14278	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14800 /14788	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14980 /14968	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16630 /16618	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17440 /17428	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18190 /18178	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19090 /19076	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19480 /19465	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19990 /19975	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
20290 /20274	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 637  
 Lease Number: G15500  
 Well Name: 001  
 API Well Number: 608174100600  
 Paleo Report Num: 1 of 3  
 Public Info Code: Y 30-JUN-2005

Date of Summary: 04-FEB-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 6437 - 26900  
 Ecozone Eq MMS:

First Sample Examined: 6437  
 Borehole MD: 26900  
 Borehole TVD: 26841  
 Rkb Elevation: 91  
 Water Depth: 4066  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21790 /21755	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22120 /22082	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
23680 /23640	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
26900 /26842	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 637	Date of Summary: 04-FEB-2004	First Sample Examined: 13150
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: DANALYNNE GRIFFITH	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 13150 - 26890	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13150 /13139	DEF AT first sample examined	DEF AT
13480 /13469	DEF AT faunal change (no faunal increase)	DEF IN 4
13540 /13528	DEF AT faunal change (no faunal increase)	DEF AT 4
13600 /13588	DEF AT faunal change (no faunal increase)	DEF AT 5
13720 /13708	DEF AT faunal change (no faunal increase)	DEF IN 4
13900 /13888	DEF AT faunal change (no faunal increase)	DEF AT 4
14080 /14068	DEF AT faunal change (no faunal increase)	DEF AT 5
14140 /14128	DEF AT faunal change (no faunal increase)	DEF IN 4
14560 /14548	DEF AT faunal change (no faunal increase)	DEF AT 5
14740 /14728	DEF AT local marker planktic foram increase	DEF IN 4
14920 /14908	DEF AT faunal change (no faunal increase)	DEF AT 4
14980 /14968	DEF AT Bathysiphon fauna	DEF IN 4
15160 /15148	DEF AT faunal change (no faunal increase)	DEF AT 4
15220 /15208	DEF AT faunal change (no faunal increase)	DEF AT 5
15280 /15268	DEF AT faunal change (no faunal increase)	DEF IN 4
15460 /15448	DEF AT local marker planktic foram increase	DEF AT 5
15940 /15928	DEF AT local marker foram decrease	DEF AT 4
16000 /15988	DEF AT local marker benthic foram increase	DEF IN 4
16060 /16048	DEF AT Cyclammina sp. (local marker)	DEF AT 4
16600 /16588	DEF AT foram flood	DEF AT 5
16720 /16708	DEF AT faunal change (no faunal increase)	DEF AT 4
17200 /17188	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4

**This report contains public paleo reports only for the time period stated**



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 637  
 Lease Number: G15500  
 Well Name: 001  
 API Well Number: 608174100600  
 Paleo Report Num: 2 of 3  
 Public Info Code: Y 30-JUN-2005

Date of Summary: 04-FEB-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: DANALYNNE GRIFFITH  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 13150 - 26890  
 Ecozone Eq MMS:

First Sample Examined: 13150  
 Borehole MD: 26900  
 Borehole TVD: 26841  
 Rkb Elevation: 91  
 Water Depth: 4066  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17320 /17308	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
17380 /17368	DEF AT local marker deep water fauna	DEF IN 4
17440 /17428	POS AT local marker planktic foram increase	DEF AT 4
18160 /18148	DEF AT Arenaceous fauna (local marker)	DEF IN 5
18580 /18567	DEF AT local marker benthic foram increase	DEF AT 4
18880 /18867	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
19000 /18986	DEF AT local marker deep water fauna	DEF IN 5
19240 /19226	DEF AT faunal change (no faunal increase)	DEF IN 4
19420 /19406	DEF AT foram flood	DEF IN 5
19480 /19465	DEF AT local marker benthic foram increase	DEF IN 4
19990 /19975	DEF AT local marker foram decrease	DEF AT 4
20020 /20005	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
20050 /20035	DEF AT local marker planktic foram increase	DEF IN 4
20080 /20065	DEF AT local marker deep water fauna	DEF IN 5
20290 /20274	DEF AT Bathysiphon fauna	DEF IN 4
20320 /20304	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
20440 /20423	DEF AT local marker planktic foram increase	DEF AT 5
20500 /20483	DEF AT faunal change (no faunal increase)	DEF AT 4
20620 /20602	DEF AT local marker deep water fauna	DEF AT 6
20680 /20661	DEF AT Arenaceous fauna (local marker)	DEF IN 4
20740 /20720	POS AT local marker foram decrease	DEF AT 4
21520 /21488	DEF AT local marker deep water fauna	DEF IN 5
21580 /21547	POS AT local marker foram decrease	DEF AT 5
21640 /21606	DEF AT local marker foram decrease	DEF IN 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 637  
 Lease Number: G15500  
 Well Name: 001  
 API Well Number: 608174100600  
 Paleo Report Num: 2 of 3  
 Public Info Code: Y 30-JUN-2005

Date of Summary: 04-FEB-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: DANALYNNE GRIFFITH  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 13150 - 26890  
 Ecozone Eq MMS:

First Sample Examined: 13150  
 Borehole MD: 26900  
 Borehole TVD: 26841  
 Rkb Elevation: 91  
 Water Depth: 4066  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21700 /21666	DEF AT Arenaceous fauna (local marker)	DEF IN 5
21970 /21933	DEF AT foram flood	DEF AT 6
22360 /22322	DEF AT local marker deep water fauna	DEF IN 5
22420 /22382	DEF AT local marker benthic foram increase	DEF IN 4
22760 /22721	DEF AT local marker planktic foram increase	DEF AT 6
22900 /22861	DEF AT local marker benthic foram increase	DEF IN 5
22930 /22891	DEF AT faunal change (no faunal increase)	DEF IN 4
23020 /22981	DEF AT faunal change (no faunal increase)	DEF IN 4
23200 /23160	DEF AT local marker foram decrease	DEF AT 4
23260 /23220	DEF AT local marker planktic foram increase	DEF AT 5
23680 /23640	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 6
23800 /23759	DEF AT foram flood	DEF IN 6
23920 /23879	DEF AT faunal change (no faunal increase)	DEF AT 6
23980 /23940	DEF AT local marker foram decrease	DEF IN 4
24040 /24000	DEF AT local marker planktic foram increase	DEF AT 6
24160 /24120	DEF AT faunal change (no faunal increase)	DEF IN 5
24220 /24179	DEF AT faunal change (no faunal increase)	DEF IN 4
24280 /24239	DEF AT faunal change (no faunal increase)	DEF IN 5
24340 /24299	DEF AT local marker deep water fauna	DEF AT 6
24400 /24358	DEF AT faunal change (no faunal increase)	DEF IN 4
24520 /24476	DEF AT faunal change (no faunal increase)	DEF AT 5
24580 /24535	DEF AT faunal change (no faunal increase)	DEF IN 5
24760 /24712	DEF AT local marker foram decrease	DEF AT 4
24820 /24772	DEF AT local marker planktic foram increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 637  
Lease Number: G15500  
Well Name: 001  
API Well Number: 608174100600  
Paleo Report Num: 2 of 3  
Public Info Code: Y 30-JUN-2005

Date of Summary: 04-FEB-2004  
Source of Paleo: OPERATOR  
Paleo Done By: DANALYNNE GRIFFITH  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 13150 - 26890  
Ecozone Eq MMS:

First Sample Examined: 13150  
Borehole MD: 26900  
Borehole TVD: 26841  
Rkb Elevation: 91  
Water Depth: 4066  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24880 /24831	DEF AT local marker foram decrease	DEF IN 4
25060 /25008	DEF AT Arenaceous fauna (local marker)	DEF IN 5
25120 /25068	DEF AT local marker planktic foram increase	DEF AT 6
25180 /25127	DEF AT local marker foram decrease	DEF IN 5
25300 /25245	DEF AT faunal change (no faunal increase)	DEF AT 4
25360 /25304	DEF AT local marker foram decrease	DEF IN 4
25420 /25364	DEF AT local marker foram decrease	DEF AT 4
25540 /25484	DEF AT local marker deep water fauna	DEF IN 6
25550 /25494	DEF AT faunal change (no faunal increase)	DEF AT 6
25600 /25544	DEF AT local marker foram decrease	DEF IN 5
25960 /25903	DEF AT faunal change (no faunal increase)	DEF IN 5
26020 /25963	DEF AT faunal change (no faunal increase)	DEF AT 4
26080 /26023	DEF AT faunal change (no faunal increase)	DEF IN 5
26140 /26083	DEF AT local marker planktic foram increase	DEF AT 6
26200 /26143	DEF AT faunal change (no faunal increase)	DEF IN 5
26260 /26203	DEF AT faunal change (no faunal increase)	DEF AT 6
26320 /26263	DEF AT faunal change (no faunal increase)	DEF AT 6
26440 /26383	DEF AT local marker foram decrease	DEF AT 4
26620 /26563	DEF AT local marker deep water fauna	DEF AT 6
26740 /26682	DEF AT faunal change (no faunal increase)	DEF IN 6
26800 /26742	DEF AT faunal change (no faunal increase)	DEF AT 6
26890 /26832	DEF AT last sample examined	DEF AT 6

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 637	Date of Summary: 01-MAR-2004	First Sample Examined: 6437
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 3 of 3	Sample Range: 6437 - 26890	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6437 / 6433	DEF AT first sample examined	DEF AT
7810 / 7804	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7869 / 7863	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7870 / 7864	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7930 / 7924	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7960 / 7954	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8440 / 8434	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9640 / 9634	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10240 /10234	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10870 /10864	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
11890 /11883	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12820 /12810	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14290 /14278	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14800 /14788	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14980 /14968	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16630 /16618	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17440 /17428	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19090 /19076	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19480 /19465	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21790 /21755	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22120 /22082	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
26890 /26832	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 657	<b>Date of Summary:</b> 01-MAY-2004	<b>First Sample Examined:</b> 16500
<b>Lease Number:</b> G08496	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17452
<b>Well Name:</b> C002	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 16697
<b>API Well Number:</b> 608174087203	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16500 - 17452	<b>Water Depth:</b> 7565
<b>Public Info Code:</b> Y 11-MAY-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16500 /15770	DEF AT first sample examined	DEF AT
16501 /15771	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16560 /15824	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17310 /16556	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17452 /16697	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 657  
Lease Number: G08496  
Well Name: C002  
API Well Number: 608174087203  
Paleo Report Num: 2 of 2  
Public Info Code: Y 11-MAY-2014

Date of Summary: 07-MAY-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 16500 - 17452  
Ecozone Eq MMS: Y

First Sample Examined: 16500  
Borehole MD: 17452  
Borehole TVD: 16697  
Rkb Elevation: 75  
Water Depth: 7565  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
16500 /15770	DEF AT first sample examined	DEF	AT
16530 /15797	DEF AT faunal change (no faunal increase)	DEF	AT 5
16680 /15936	DEF AT turbid water facies	POS	AT 5
16740 /15993	DEF AT faunal change (no faunal increase)	DEF	AT 4
16770 /16022	DEF AT faunal change (no faunal increase)	DEF	IN 3
16860 /16110	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT 4
17100 /16348	DEF AT faunal change (no faunal increase)	DEF	AT
17250 /16497	DEF AT faunal change (no faunal increase)	DEF	AT 3
17430 /16675	DEF AT local marker foram increase	DEF	AT 4
17452 /16697	DEF AT last sample examined	DEF	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 657  
Lease Number: G19974  
Well Name: C003  
API Well Number: 608174103800  
Paleo Report Num: 1 of 2  
Public Info Code: Y 26-APR-2014

Date of Summary: 03-MAY-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 17280 - 18237  
Ecozone Eq MMS: Y

First Sample Examined: 17280  
Borehole MD: 18237  
Borehole TVD: 16852  
Rkb Elevation: 75  
Water Depth: 7570  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17280 /15927	DEF AT first sample examined	DEF AT 4
17310 /15954	DEF AT turbid water facies	POS AT 4
17340 /15982	DEF AT faunal change (no faunal increase)	DEF AT 4
17490 /16123	DEF AT faunal change (no faunal increase)	DEF AT 5
17850 /16470	DEF AT faunal change (no faunal increase)	DEF AT 4
18090 /16706	DEF AT local marker foram increase	DEF AT 4
18150 /16766	DEF AT faunal change (no faunal increase)	DEF AT 5
18180 /16795	DEF AT faunal change (no faunal increase)	DEF AT 5
18237 /16852	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 657	Date of Summary: 27-MAY-2004	First Sample Examined: 17280
Lease Number: G19974	Source of Paleo: OPERATOR	Borehole MD: 18237
Well Name: C003	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 16852
API Well Number: 608174103800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 17280 - 18237	Water Depth: 7570
Public Info Code: Y 26-APR-2014	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17280 /15927	DEF AT first sample examined	DEF AT
17281 /15928	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18237 /16852	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667  
Lease Number: G14013  
Well Name: 001  
API Well Number: 608174060000  
Paleo Report Num: 1 of 4  
Public Info Code: Y 23-AUG-2002

Date of Summary: 01-JUN-1998  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: ANADARKO E&P COMPANY LP  
Sample Range: 4640 - 6770  
Ecozone Eq MMS: Y

First Sample Examined: 4640  
Borehole MD: 14005  
Borehole TVD: 13624  
Rkb Elevation: 82  
Water Depth: 2902  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4640 / 4640	DEF AT first sample examined	DEF AT 4
4641 / 4641	DEF IN Holocene Globorotalia inflata	DEF AT 4
4730 / 4730	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
4760 / 4760	DEF AT sample gap top	POS AT 5
5090 / 5089	DEF AT sample gap bottom	DEF AT 5
5480 / 5474	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6770 / 6669	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 01-JUN-1998	First Sample Examined: 6770
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 14005
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13624
API Well Number: 608174060000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 6770 - 13970	Water Depth: 2902
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Bypass report, 8210=rare Textularia bermudezi, 13250=Uvigerina lirettensis

MD / TVD	Paleo Top Description	Ecozone
6770 / 6669	DEF AT first sample examined	DEF AT 4
6830 / 6729	DEF AT local marker foram increase	DEF AT 5
7070 / 6969	DEF AT local marker foram increase	DEF AT 5
7160 / 7059	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7279 / 7178	POS AT condensed section	DEF AT 6
7280 / 7179	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7910 / 7809	DEF AT local marker foram increase	DEF AT 5
7939 / 7838	POS AT condensed section	DEF AT 5
7940 / 7839	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
7969 / 7868	DEF AT unconformity	DEF AT 6
7970 / 7869	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
8000 / 7899	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 6
8120 / 8018	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
8210 / 8108	DEF AT Arenaceous fauna (local marker)	DEF AT 5
8630 / 8528	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9080 / 8977	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
9140 / 9037	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9170 / 9067	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9740 / 9636	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
9860 / 9754	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
9980 / 9871	DEF AT local marker foram increase	DEF AT 5
10040 / 9930	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 01-JUN-1998	First Sample Examined: 6770
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 14005
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13624
API Well Number: 608174060000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 6770 - 13970	Water Depth: 2902
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10210 /10095	DEF AT local marker benthic foram increase	DEF AT 4
10340 /10221	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
10400 /10279	DEF AT local marker foram increase	DEF AT 5
10401 /10280	DEF AT pyrite	DEF AT 5
10700 /10562	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11720 /11506	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
11810 /11590	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
12080 /11841	DEF AT sample gap top	POS AT 5
12170 /11925	DEF AT sample gap bottom	DEF AT 4
12260 /12008	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
12650 /12370	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
12710 /12425	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 4
12950 /12649	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
13160 /12843	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
13250 /12926	DEF AT local marker benthic foram increase	DEF AT 5
13880 /13508	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13881 /13509	DEF AT local marker foram increase	DEF AT 4
13970 /13591	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 01-JUN-1998	First Sample Examined: 4640
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 14005
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13624
API Well Number: 608174060000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 4640 - 6890	Water Depth: 2902
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4640 / 4640	DEF AT first sample examined	DEF AT
5210 / 5208	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
6770 / 6669	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
6830 / 6729	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6831 / 6730	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 01-JUN-1998	First Sample Examined: 6890
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 14005
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13624
API Well Number: 608174060000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 6890 - 13970	Water Depth: 2902
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS:	Paleo ID: 005

Remark: Calcareous nannofossil report for bypass

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6890 / 6789	DEF AT first sample examined	DEF AT
7070 / 6969	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7190 / 7089	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
7250 / 7149	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
7940 / 7839	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7970 / 7869	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8120 / 8018	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8420 / 8318	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
8600 / 8498	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
9050 / 8947	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9170 / 9067	DEF AT local marker floral increase	DEF AT
9590 / 9487	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9710 / 9606	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10010 / 9900	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10460 /10336	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10940 /10784	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11000 /10840	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11120 /10951	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
11420 /11230	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12290 /12036	DEF AT Upper Miocene (Tortonian) Reticulofenestra pseudumbilica "C"	DEF AT
12470 /12203	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12530 /12258	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667  
Lease Number: G14013  
Well Name: 001  
API Well Number: 608174060000  
Paleo Report Num: 4 of 4  
Public Info Code: Y 23-AUG-2002

Date of Summary: 01-JUN-1998  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: ANADARKO E&P COMPANY LP  
Sample Range: 6890 - 13970  
Ecozone Eq MMS:

First Sample Examined: 6890  
Borehole MD: 14005  
Borehole TVD: 13624  
Rkb Elevation: 82  
Water Depth: 2902  
Paleo ID: 005

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12710 /12425	DEF IN Upper Miocene (Tortonian) Discoaster bellus	DEF AT
12830 /12537	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
13250 /12926	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13490 /13148	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13970 /13591	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 01-MAY-2002	First Sample Examined: 10050
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 10050
Well Name: 004	Paleo Done By: PALEO SOURCE	Borehole TVD: 10047
API Well Number: 608174092600	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 10050 - 19090	Water Depth: 2934
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Eiger Sanction Prospect, consultant-integrated foram and nanno report, 18940=upwelling fauna equivalent to Cristellaria I, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10050 /10047	DEF AT first sample examined	DEF AT 5
10051 /	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10300 /	DEF AT reworked material	DEF AT 5
10450 /	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
10630 /	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
10720 /	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11320 /	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
11321 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11980 /	DEF AT local marker foram increase	DEF AT 6
12370 /	DEF AT reworked material	DEF AT 6
12430 /	DEF AT sample gap top	DEF AT 6
12640 /	DEF AT sample gap bottom	DEF AT 6
12820 /	POS AT local marker foram increase	DEF AT 6
13000 /	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
13240 /	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 6
13450 /	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
13660 /	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
13661 /	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
13750 /	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
14320 /	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 6
14321 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 01-MAY-2002	First Sample Examined: 10050
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 10050
Well Name: 004	Paleo Done By: PALEO SOURCE	Borehole TVD: 10047
API Well Number: 608174092600	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 10050 - 19090	Water Depth: 2934
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14740 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
15340 /	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
15341 /	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
15670 /	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
16150 /	DEF AT local marker foram increase	DEF AT 6
16300 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
16900 /	DEF AT cement	DEF AT 6
17350 /	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
17530 /	DEF AT sample gap top	DEF AT 6
17880 /	DEF AT sample gap bottom	DEF AT 6
18610 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
18940 /	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
19000 /	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
19030 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
19060 /	DEF AT local marker foram decrease	DEF AT 6
19090 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 01-NOV-2001	First Sample Examined: 10060
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 20027
Well Name: 004	Paleo Done By: PALEO SOURCE	Borehole TVD: 20021
API Well Number: 608174092602	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 10060 - 20027	Water Depth: 2934
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, 10720=upwelling fauna

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10060 /10057	DEF AT first sample examined	DEF AT 5
10061 /10058	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10300 /10297	DEF AT reworked material	DEF AT 5
10450 /10447	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
10630 /10627	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
10720 /10717	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
10780 /10777	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11319 /11316	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
11320 /11317	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
11820 /11817	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 6
11980 /11977	DEF AT local marker foram increase	DEF AT 6
13000 /12997	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
13240 /13237	DEF AT local marker planktic foram increase	DEF AT 6
13450 /13447	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
13659 /13656	POS AT unconformity	DEF AT 6
13660 /13657	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
13750 /13747	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
14320 /14316	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
14630 /14626	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 6
14740 /14736	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
15340 /15336	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
15670 /15666	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 667	<b>Date of Summary:</b> 01-NOV-2001	<b>First Sample Examined:</b> 10060
<b>Lease Number:</b> G14013	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20027
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 20021
<b>API Well Number:</b> 608174092602	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10060 - 20027	<b>Water Depth:</b> 2934
<b>Public Info Code:</b> Y 23-AUG-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16150 /16145	DEF AT local marker foram increase	DEF AT 6
16300 /16295	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
16900 /16895	DEF AT sand	DEF AT 6
17350 /17345	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
18610 /18605	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 6
18940 /18934	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
19000 /18994	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
19030 /19024	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
19060 /19054	POS AT Arenaceous fauna (local marker)	DEF AT 6
20027 /20021	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 02-FEB-2002	First Sample Examined: 19840
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 20370
Well Name: 004	Paleo Done By: PALEO SOURCE	Borehole TVD: 20363
API Well Number: 608174092603	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 19840 - 20370	Water Depth: 2934
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19840 /19833	DEF AT first sample examined	DEF AT 6
20040 /20033	DEF AT sample gap top	POS AT 6
20170 /20163	DEF AT sample gap bottom	DEF AT 6
20370 /20363	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 18-APR-2002	First Sample Examined: 23350
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 23544
Well Name: 004	Paleo Done By: PALEO SOURCE	Borehole TVD: 23535
API Well Number: 608174092604	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 23350 - 23540	Water Depth: 2934
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20170 /20163	DEF AT first sample examined	DEF AT 6
20860 /20852	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
21350 /21342	DEF AT local marker (general)	DEF AT 6
21400 /21392	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 6
23440 /23431	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 6
23490 /23481	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 6
23540 /23531	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 667	Date of Summary: 18-APR-2002	First Sample Examined: 25953
Lease Number: G14013	Source of Paleo: OPERATOR	Borehole MD: 25953
Well Name: 004	Paleo Done By: PALEO SOURCE	Borehole TVD: 25900
API Well Number: 608174092605	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 25953 - 25953	Water Depth: 2934
Public Info Code: Y 23-AUG-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25953 /25900	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 674	<b>Date of Summary:</b> 03-DEC-1996	<b>First Sample Examined:</b> 13970
<b>Lease Number:</b> G08499	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23260
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 20022
<b>API Well Number:</b> 608174054401	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13970 - 23270	<b>Water Depth:</b> 2710
<b>Public Info Code:</b> Y 15-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13970 /13918	DEF AT first sample examined	DEF AT
14030 /13978	DEF IN Pliocene	DEF AT
17060 /16240	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17570 /16533	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18260 /16939	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
18800 /17253	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22190 /19264	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
23270 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 674	Date of Summary: 11-NOV-1996	First Sample Examined: 5360
Lease Number: G13687	Source of Paleo: OPERATOR	Borehole MD: 23154
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23088
API Well Number: 608174054400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4343 - 23154	Water Depth: 2702
Public Info Code: Y 10-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Pluto Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5360 / 5360	DEF AT first sample examined	DEF AT 5
5660 / 5660	DEF AT - - - - -	DEF AT 6
5930 / 5930	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 6
5990 / 5990	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 6
6200 / 6200	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
6290 / 6290	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
6319 / 6319	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 6
6320 / 6320	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
6380 / 6380	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
6800 / 6800	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
6801 / 6801	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
6920 / 6920	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
7040 / 7040	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
7839 / 7839	DEF AT salt	DEF AT 6
11570 / 11549	DEF AT base of salt	DEF AT 6
12200 / 12168	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12890 / 12846	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
13160 / 13112	DEF AT - - - - -	DEF AT 6
13430 / 13380	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
14780 / 14726	DEF AT - - - - -	DEF AT 5
16310 / 16253	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
16730 / 16673	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 674	Date of Summary: 11-NOV-1996	First Sample Examined: 5360
Lease Number: G13687	Source of Paleo: OPERATOR	Borehole MD: 23154
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23088
API Well Number: 608174054400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4343 - 23154	Water Depth: 2702
Public Info Code: Y 10-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17660 /17602	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
18229 /18171	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
18230 /18172	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
20390 /20330	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
21710 /21647	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
23154 /23089	DEF AT last sample examined	DEF AT 5



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 687	Date of Summary: 19-MAY-2001	First Sample Examined: 14990
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 23498
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23258
API Well Number: 608174091800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 14990 - 23450	Water Depth: 5150
Public Info Code: Y 26-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14990 /14987	DEF AT first sample examined	DEF AT
15020 /15017	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT
15200 /15195	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15620 /15609	DEF AT reworked material	DEF AT
15890 /15875	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16550 /16518	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
16970 /16925	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17090 /17041	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18590 /18477	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19430 /19282	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT
19640 /19483	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20660 /20456	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
22010 /21776	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
22250 /22015	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
23450 /23211	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 687	Date of Summary: 18-FEB-2002	First Sample Examined: 22500
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 27278
Well Name: 002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 26823
API Well Number: 608174091802	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 22500 - 27271	Water Depth: 5150
Public Info Code: Y 12-MAR-2012	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Deep Mensa Prospect, calcareous nannofossil report, 22501=in Discoaster cf sanmiguelensis, 23100=top of rare Discoaster sanmiguelensis (Bugware concept)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22500 /22187	DEF AT first sample examined	DEF AT
22501 /22188	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22650 /22331	DEF AT reworked material	DEF AT
23100 /22766	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
24930 /24558	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
27270 /26816	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
27271 /26817	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 687  
Lease Number: G05863  
Well Name: A002  
API Well Number: 608174054000  
Paleo Report Num: 1 of 2  
Public Info Code: Y 15-JUL-2008

Date of Summary: 18-JUN-1998  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER PRODUCTION INC  
Sample Range: 13130 - 20573  
Ecozone Eq MMS: Y

First Sample Examined: 13130  
Borehole MD: 20574  
Borehole TVD: 19101  
Rkb Elevation: 82  
Water Depth: 5292  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13220 /13219	DEF AT first sample examined	POS AT 4
13250 /13249	DEF AT faunal change (no faunal increase)	DEF AT 4
13370 /13369	DEF AT faunal change (no faunal increase)	DEF IN 3
13430 /13429	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 3
13520 /13518	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 3
13610 /13607	DEF AT local marker foram increase	DEF AT 4
13910 /13898	DEF AT faunal change (no faunal increase)	DEF IN 3
14090 /14067	DEF AT faunal change (no faunal increase)	DEF AT 4
14180 /14149	DEF AT faunal change (no faunal increase)	DEF IN 3
14300 /14256	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
14390 /14334	DEF AT faunal change (no faunal increase)	DEF IN 3
14450 /14384	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14540 /14457	DEF AT faunal change (no faunal increase)	DEF AT 4
14630 /14528	DEF AT faunal change (no faunal increase)	POS AT 4
14780 /14641	DEF AT faunal change (no faunal increase)	DEF IN 3
14810 /14663	POS AT local marker foram increase	DEF IN 3
14870 /14708	DEF AT faunal change (no faunal increase)	DEF AT 4
15140 /14908	DEF AT faunal change (no faunal increase)	DEF IN 3
15320 /15042	DEF AT sample gap top	POS IN 3
15331 /15050	DEF AT sample gap bottom	DEF AT 3
15480 /15162	DEF AT faunal change (no faunal increase)	POS AT 4
16260 /15770	DEF AT local marker foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 687	<b>Date of Summary:</b> 18-JUN-1998	<b>First Sample Examined:</b> 13130
<b>Lease Number:</b> G05863	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20574
<b>Well Name:</b> A002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19101
<b>API Well Number:</b> 608174054000	<b>Drilling Operator:</b> SHELL DEEPWATER PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13130 - 20573	<b>Water Depth:</b> 5292
<b>Public Info Code:</b> Y 15-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19170 /18000	DEF AT faunal change (no faunal increase)	DEF IN 3
19200 /18023	DEF AT faunal change (no faunal increase)	DEF AT 4
19410 /18183	DEF AT faunal change (no faunal increase)	DEF AT 4
19680 /18393	DEF AT local marker foram increase	DEF AT 4
19681 /18394	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
19770 /18466	DEF AT local marker foram increase	DEF AT 4
20250 /18846	DEF AT sample gap top	POS AT 4
20400 /18963	DEF AT sample gap bottom	DEF AT 4
20573 /19100	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 687	Date of Summary: 28-OCT-1998	First Sample Examined: 13130
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 20574
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 19101
API Well Number: 608174054000	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13130 - 20573	Water Depth: 5292
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13130 /13129	DEF AT first sample examined	POS IN 3
14210 /14176	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
14211 /14177	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
14300 /14256	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
15899 /15486	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
15900 /15487	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
15930 /15511	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
15931 /15512	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
17160 /16468	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
17161 /16469	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
18780 /17703	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
19740 /18442	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 4
19741 /18443	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
20573 /19100	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 26-APR-2004	First Sample Examined: 15050
Lease Number: G14650	Source of Paleo: OPERATOR	Borehole MD: 27473
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23638
API Well Number: 608174103401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 15050 - 27473	Water Depth: 6989
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
15050 /15049	DEF AT first sample examined	DEF AT 4
15051 /15050	DEF IN Upper (Late) Miocene	DEF AT 4
15140 /15139	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
15170 /15169	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
15230 /15229	DEF AT local marker foram increase	DEF AT 5
15320 /15318	DEF AT pyrite	DEF AT 5
15410 /15407	DEF AT faunal change (no faunal increase)	DEF IN 4
15470 /15466	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15500 /15496	DEF AT pyrite	DEF AT 5
15620 /15614	DEF AT faunal change (no faunal increase)	DEF IN 4
15650 /15643	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
15680 /15672	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15740 /15731	DEF AT local marker foram decrease	DEF AT 5
15769 /15759	DEF AT pyrite	DEF IN 4
15770 /15760	DEF AT local marker benthic foram increase	DEF IN 4
15980 /15961	DEF AT local marker foram increase	DEF IN 4
16010 /15989	DEF AT local marker foram decrease	DEF IN 4
16220 /16186	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 5
16250 /16214	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16280 /16242	DEF AT faunal change (no faunal increase)	DEF IN 4
16340 /16297	DEF AT faunal change (no faunal increase)	DEF AT 5
16400 /16352	DEF AT local marker foram decrease	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 26-APR-2004	First Sample Examined: 15050
Lease Number: G14650	Source of Paleo: OPERATOR	Borehole MD: 27473
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23638
API Well Number: 608174103401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 15050 - 27473	Water Depth: 6989
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16430 /16379	DEF AT turbid water facies	POS AT 5
16460 /16406	POS AT local marker foram decrease	POS AT 5
16640 /16565	DEF AT local marker planktic foram increase	DEF AT 5
16670 /16591	DEF AT local marker foram decrease	DEF AT 5
16730 /16643	DEF AT local marker benthic foram increase	DEF AT 5
16940 /16821	DEF AT local marker foram decrease	DEF IN 4
17000 /16871	DEF AT pyrite	DEF AT 5
17180 /17016	DEF AT turbid water facies	DEF AT 5
17270 /17087	DEF AT faunal change (no faunal increase)	DEF IN 4
17300 /17110	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17330 /17133	DEF AT faunal change (no faunal increase)	DEF IN 4
17390 /17178	DEF AT reworked material	DEF IN 4
17450 /17223	DEF AT local marker foram decrease	DEF IN 4
17600 /17332	DEF AT turbid water facies	POS IN 4
17750 /17436	DEF AT Bathysiphon fauna	POS IN 4
17780 /17457	DEF AT local marker foram decrease	DEF IN 4
17810 /17477	DEF AT faunal change (no faunal increase)	DEF AT 5
17840 /17498	DEF AT Bathysiphon fauna	DEF AT 5
17929 /17558	DEF AT turbid water facies	POS AT 5
17930 /17559	DEF AT local marker foram decrease	POS AT 5
18680 /18056	DEF AT turbid water facies	POS AT 5
18740 /18095	DEF AT faunal change (no faunal increase)	DEF IN 4
18860 /18174	DEF AT turbid water facies	POS IN 4
18920 /18214	DEF AT faunal change (no faunal increase)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 26-APR-2004	First Sample Examined: 15050
Lease Number: G14650	Source of Paleo: OPERATOR	Borehole MD: 27473
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23638
API Well Number: 608174103401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 15050 - 27473	Water Depth: 6989
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18949 /18234	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18950 /18234	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5
19100 /18337	DEF AT local marker foram decrease	DEF AT 5
19310 /18487	DEF AT pyrite	DEF AT 5
19339 /18507	DEF AT turbid water facies	POS AT 5
19340 /18508	DEF AT Bathysiphon fauna	POS AT 5
19400 /18551	DEF AT siltstone	DEF AT 5
19460 /18593	DEF AT turbid water facies	POS AT 5
19580 /18674	DEF AT deepwater facies Harang	POS AT 5
19700 /18753	DEF AT faunal change (no faunal increase)	DEF AT 5
19730 /18772	DEF AT local marker planktic foram increase	DEF AT 5
20090 /18997	DEF AT faunal change (no faunal increase)	DEF IN 4
20150 /19035	DEF AT turbid water facies	POS IN 4
20210 /19073	DEF AT Arenaceous fauna (local marker)	POS IN 4
20540 /19281	DEF AT local marker foram decrease	POS IN 4
20630 /19338	DEF AT local marker planktic foram increase	DEF AT 5
20660 /19357	DEF AT local marker foram decrease	DEF IN 4
20840 /19471	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
20870 /19490	DEF AT local marker foram decrease	DEF AT 5
20930 /19528	DEF AT pyrite	DEF AT 5
20960 /19547	DEF AT faunal change (no faunal increase)	DEF IN 4
21050 /19603	DEF AT turbid water facies	POS IN 4
21440 /19847	DEF AT Bathysiphon fauna	POS IN 4
21560 /19922	DEF AT Arenaceous fauna (local marker)	POS IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696  
Lease Number: G14650  
Well Name: 002  
API Well Number: 608174103401  
Paleo Report Num: 1 of 2  
Public Info Code: Y 29-NOV-2004

Date of Summary: 26-APR-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 15050 - 27473  
Ecozone Eq MMS: Y

First Sample Examined: 15050  
Borehole MD: 27473  
Borehole TVD: 23638  
Rkb Elevation: 79  
Water Depth: 6989  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21620 /19960	DEF AT local marker foram decrease	POS IN 4
21800 /20073	DEF AT Arenaceous fauna (local marker)	POS IN 4
21830 /20092	DEF AT local marker foram decrease	POS IN 4
22100 /20263	DEF AT local marker planktic foram increase	DEF AT 5
22160 /20300	DEF AT turbid water facies	POS AT 5
22310 /20394	DEF AT faunal change (no faunal increase)	DEF IN 4
22550 /20546	DEF AT siltstone	DEF AT 5
22610 /20584	DEF AT local marker foram decrease	DEF IN 4
22820 /20715	DEF AT local marker foram increase	DEF AT 5
22880 /20753	DEF AT local marker foram decrease	DEF IN 4
23000 /20828	DEF AT turbid water facies	POS IN 4
23030 /20847	DEF AT local marker foram decrease	DEF IN 4
23120 /20903	DEF AT turbid water facies	POS IN 4
24080 /21506	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
24200 /21582	DEF AT local marker benthic foram increase	DEF AT 5
24229 /21600	DEF AT foram flood	DEF AT 5
24230 /21601	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
24349 /21675	DEF AT siltstone	DEF AT 5
24350 /21676	DEF AT local marker foram decrease	DEF AT 5
24470 /21751	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
24530 /21789	DEF AT local marker foram decrease	DEF AT 5
24620 /21845	DEF AT faunal change (no faunal increase)	DEF IN 4
24740 /21920	DEF AT siltstone	DEF IN 4
24770 /21939	DEF AT faunal change (no faunal increase)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 26-APR-2004	First Sample Examined: 15050
Lease Number: G14650	Source of Paleo: OPERATOR	Borehole MD: 27473
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23638
API Well Number: 608174103401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 15050 - 27473	Water Depth: 6989
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24820 /21970	DEF AT local marker foram increase	DEF IN 4
24950 /22051	DEF AT faunal change (no faunal increase)	DEF AT 5
25160 /22180	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
25310 /22272	DEF AT local marker foram decrease	DEF IN 4
25460 /22364	DEF AT local marker planktic foram increase	DEF AT 5
25490 /22382	DEF AT faunal change (no faunal increase)	POS AT 5
25520 /22400	DEF AT local marker foram increase	DEF AT 5
25580 /22437	DEF AT siltstone	DEF AT 5
25640 /22475	DEF AT local marker foram decrease	DEF AT 5
25850 /22608	DEF AT local marker benthic foram increase	DEF IN 4
25880 /22627	DEF AT local marker foram decrease	DEF IN 4
26240 /22858	DEF AT local marker foram increase	DEF AT 5
26270 /22877	DEF AT local marker foram decrease	DEF AT 5
26480 /23012	DEF AT siltstone	DEF AT 5
26630 /23108	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26660 /23127	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26690 /23146	DEF AT foram flood	DEF AT 5
26810 /23221	DEF AT siltstone	DEF AT 5
26840 /23240	DEF AT local marker foram decrease	DEF AT 5
27140 /23427	DEF AT local marker foram increase	DEF AT 5
27380 /23579	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
27473 /23638	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 01-MAY-2004	First Sample Examined: 15050
Lease Number: G14650	Source of Paleo: OPERATOR	Borehole MD: 27473
Well Name: 002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 23638
API Well Number: 608174103401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 15050 - 27471	Water Depth: 6989
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15050 /15049	DEF AT first sample examined	DEF AT
15051 /15050	DEF IN Upper (Late) Miocene	DEF AT
15110 /15109	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15230 /15229	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15830 /15818	DEF AT local marker floral decrease	DEF AT
16370 /16324	DEF AT local marker floral increase	DEF AT
16460 /16406	DEF AT local marker floral decrease	DEF AT
16670 /16591	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16790 /16695	DEF AT floral flood	DEF AT
17030 /16895	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17630 /17353	DEF AT local marker floral decrease	DEF AT
17750 /17436	DEF AT local marker floral increase	DEF AT
17930 /17559	DEF AT local marker floral decrease	DEF AT
19010 /18275	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19190 /18401	DEF AT local marker floral decrease	DEF AT
19250 /18444	DEF AT local marker floral increase	DEF AT
19490 /18613	DEF AT local marker floral decrease	DEF AT
19730 /18772	DEF AT local marker floral increase	DEF AT
20330 /19148	DEF AT local marker floral decrease	DEF AT
20630 /19338	DEF AT local marker floral increase	DEF AT
20690 /19376	DEF AT local marker floral decrease	DEF AT
20810 /19452	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 01-MAY-2004	First Sample Examined: 15050
Lease Number: G14650	Source of Paleo: OPERATOR	Borehole MD: 27473
Well Name: 002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 23638
API Well Number: 608174103401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 15050 - 27471	Water Depth: 6989
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20990 /19566	DEF AT local marker floral decrease	DEF AT
21170 /19678	DEF AT local marker floral increase	DEF AT
21230 /19716	DEF AT local marker floral decrease	DEF AT
21350 /19791	DEF AT local marker floral increase	DEF AT
21470 /19866	DEF AT local marker floral decrease	DEF AT
21770 /20054	DEF AT local marker floral increase	DEF AT
21860 /20111	DEF AT local marker floral decrease	DEF AT
22100 /20263	DEF AT local marker floral increase	DEF AT
22160 /20300	DEF AT local marker floral decrease	DEF AT
22460 /20489	DEF AT local marker floral increase	DEF AT
22520 /20527	DEF AT local marker floral decrease	DEF AT
22820 /20715	DEF AT local marker floral increase	DEF AT
22940 /20790	DEF AT local marker floral decrease	DEF AT
23030 /20847	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (very rare)	DEF AT
23150 /20922	DEF AT local marker floral decrease	DEF AT
23780 /21318	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT
24140 /21544	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
24200 /21582	POS AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
24230 /21601	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
24380 /21695	DEF AT local marker floral increase	DEF AT
24650 /21864	DEF AT local marker floral decrease	DEF AT
24770 /21939	DEF AT local marker floral increase	DEF AT
25100 /22143	DEF AT local marker floral decrease	DEF AT
25160 /22180	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 01-MAY-2004	First Sample Examined: 15050
Lease Number: G14650	Source of Paleo: OPERATOR	Borehole MD: 27473
Well Name: 002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 23638
API Well Number: 608174103401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 15050 - 27471	Water Depth: 6989
Public Info Code: Y 29-NOV-2004	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25370 /22309	DEF AT local marker floral decrease	DEF AT
25550 /22419	DEF AT local marker floral increase	DEF AT
26000 /22704	DEF AT reworked material	DEF AT
26120 /22781	DEF AT local marker floral decrease	DEF AT
26240 /22858	DEF AT local marker floral increase	DEF AT
26660 /23127	DEF AT floral flood	DEF AT
26780 /23203	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26840 /23240	DEF AT local marker floral decrease	DEF AT
27140 /23427	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27230 /23484	DEF AT local marker floral decrease	DEF AT
27290 /23522	DEF AT reworked material	DEF AT
27349 /23559	DEF AT floral flood	DEF AT
27350 /23560	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27410 /23598	POS AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
27471 /23637	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 11-JUN-2001	First Sample Examined: 9640
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25135
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25126
API Well Number: 608174091100	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 9640 - 25135	Water Depth: 6941
Public Info Code: Y 29-JUN-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 24310=Globigerinoides diminutus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9640 / 9640	DEF AT first sample examined	DEF AT
9641 / 9641	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9820 / 9820	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9940 / 9940	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10450 /10450	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10510 /10510	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10600 /10600	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10720 /10720	DEF AT local marker foram increase	DEF AT 6
10721 /10721	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
10750 /10750	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
10930 /10930	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
10931 /10931	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
11259 /11259	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
11260 /11260	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
11379 /11379	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
11380 /11380	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
11828 /11828	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
11829 /11829	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11830 /11830	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12490 /12490	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
12970 /12970	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
14079 /14079	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 696	<b>Date of Summary:</b> 11-JUN-2001	<b>First Sample Examined:</b> 9640
<b>Lease Number:</b> G16641	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25135
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25126
<b>API Well Number:</b> 608174091100	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9640 - 25135	<b>Water Depth:</b> 6941
<b>Public Info Code:</b> Y 29-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14080 /14080	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
14500 /14499	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
14800 /14799	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
14979 /14978	DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
14980 /14979	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
15670 /15669	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
15940 /15939	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
17090 /17089	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
17320 /17319	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
17500 /17499	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 6
18970 /18969	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
21433 /21431	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
23750 /23746	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
24070 /24065	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
24310 /24305	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 6
24490 /24484	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
24519 /24513	DEF AT reworked material	DEF AT 6
24520 /24514	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
24700 /24693	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6
24850 /24843	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
25030 /25022	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
25090 /25081	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 6
25135 /25126	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 28-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10300 - 25150	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10300 /10299	DEF AT first sample examined	POS AT 4
10301 /10300	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	POS AT 4
10330 /10329	DEF AT -----	DEF AT 4
10480 /10479	DEF AT -----	DEF IN 4
10540 /10539	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10600 /10599	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10660 /10659	DEF AT local marker planktic foram increase	DEF AT 5
10750 /10749	DEF AT local marker foram decrease	DEF AT 5
10780 /10779	DEF AT transported shelf fauna	DEF AT 5
10900 /10899	DEF AT local marker benthic foram increase	DEF AT 5
10960 /10959	DEF AT local marker foram increase	DEF AT 5
11080 /11079	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11110 /11109	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11200 /11199	DEF AT local marker deep water fauna	DEF AT 5
11230 /11229	DEF AT local marker foram decrease	DEF AT 5
11260 /11259	DEF AT -----	DEF IN 4
11440 /11439	DEF AT -----	DEF AT 5
11470 /11469	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 5
11500 /11499	DEF AT local marker foram decrease	DEF AT 5
11620 /11619	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
11710 /11709	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
11860 /11859	DEF AT local marker benthic foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 28-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10300 - 25150	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11979	DEF AT local marker (general)	DEF AT 5
12010 /12009	DEF AT pyrite	DEF AT 5
12130 /12129	DEF AT local marker foram increase	DEF AT 5
12220 /12219	DEF AT - - - - -	DEF AT 5
12310 /12309	DEF AT local marker benthic foram increase	DEF AT 5
12340 /12339	DEF AT local marker foram decrease	DEF AT 5
12520 /12519	DEF AT - - - - -	DEF IN 4
12549 /12548	DEF AT pyrite	DEF IN 4
12550 /12549	DEF AT local marker foram decrease	DEF IN 4
12610 /12609	DEF AT - - - - -	DEF AT 5
12760 /12759	POS AT local marker foram increase	DEF AT 5
12820 /12819	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
12910 /12909	DEF AT - - - - -	DEF IN 4
13390 /13389	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 4
13540 /13539	DEF AT - - - - -	DEF AT 5
13660 /13659	DEF AT - - - - -	DEF IN 4
13750 /13749	DEF AT local marker foram decrease	DEF IN 4
13960 /13959	DEF AT Arenaceous fauna (local marker)	DEF AT 5
13990 /13989	DEF AT pyrite	DEF AT 5
14080 /14079	DEF AT - - - - -	DEF IN 4
14140 /14139	DEF AT - - - - -	DEF AT 5
14200 /14199	DEF AT - - - - -	DEF IN 4
14290 /14289	DEF AT local marker deep water fauna	DEF AT 5
14380 /14379	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 28-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10300 - 25150	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14530 /14529	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
14560 /14559	DEF AT local marker foram decrease	DEF AT 5
14590 /14589	DEF AT - - - - -	DEF IN 4
14650 /14649	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF IN 4
14680 /14679	DEF AT local marker foram decrease	DEF IN 4
14770 /14769	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
14800 /14799	DEF AT local marker foram increase	DEF IN 4
14980 /14979	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15040 /15039	DEF AT pyrite	DEF AT 5
15190 /15189	DEF AT local marker benthic foram increase	DEF AT 5
15250 /15249	DEF AT local marker foram decrease	DEF AT 5
15370 /15369	DEF AT local marker benthic foram increase	DEF AT 5
15510 /15509	DEF AT cement	POS AT 5
15550 /15549	DEF AT - - - - -	DEF IN 4
15730 /15729	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 4
15910 /15909	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 4
15970 /15969	DEF AT Bathysiphon fauna	DEF IN 4
16030 /16029	DEF AT local marker foram decrease	DEF IN 4
16210 /16209	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
16270 /16269	DEF AT local marker foram decrease	DEF IN 4
16330 /16329	DEF AT local marker foram increase	DEF IN 4
16360 /16359	DEF AT local marker foram decrease	DEF IN 4
16390 /16389	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16420 /16419	DEF AT local marker foram decrease	DEF IN 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 28-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10300 - 25150	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16570 /16569	DEF AT local marker planktic foram increase	DEF AT 5
16660 /16659	DEF AT local marker foram decrease	DEF AT 5
16810 /16809	DEF AT limestone	DEF AT 5
16900 /16899	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
17110 /17109	DEF AT local marker foram decrease	DEF IN 4
17560 /17554	DEF AT local marker foram decrease	DEF AT 5
17590 /17584	DEF AT Bathysiphon fauna	DEF AT 5
17680 /17672	DEF AT - - - - -	DEF IN 4
18040 /18020	DEF AT Arenaceous fauna (local marker)	DEF IN 4
18070 /18048	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
18130 /18105	DEF AT - - - - -	DEF AT 5
18160 /18134	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5
18340 /18304	DEF AT local marker foram decrease	DEF AT 5
18400 /18361	DEF AT Bathysiphon fauna	DEF AT 5
18520 /18474	DEF AT local marker foram increase	DEF AT 5
18580 /18531	DEF AT local marker foram decrease	DEF AT 5
18610 /18560	DEF AT - - - - -	DEF IN 4
18670 /18617	DEF AT turbid water facies	POS IN 4
18700 /18645	DEF AT Arenaceous fauna (local marker)	POS IN 4
18880 /18816	DEF AT local marker foram increase	DEF AT 5
18940 /18874	DEF AT local marker planktic foram increase	DEF AT 5
19000 /18931	DEF AT local marker foram decrease	DEF AT 5
19030 /18960	DEF AT - - - - -	DEF IN 4
19180 /19103	DEF AT - - - - -	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 28-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10300 - 25150	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19240 /19160	DEF AT turbid water facies	POS AT 5
19300 /19217	DEF AT pyrite	POS AT 5
19330 /19245	DEF AT local marker foram decrease	POS AT 5
19540 /19445	DEF AT - - - - -	DEF IN 4
19690 /19587	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
19750 /19644	DEF AT local marker foram decrease	DEF IN 4
20050 /19928	DEF AT local marker foram increase	DEF AT 5
20080 /19956	DEF AT - - - - -	DEF IN 4
20140 /20013	DEF AT turbid water facies	POS IN 4
20230 /20098	DEF AT - - - - -	DEF AT 5
20260 /20127	DEF AT local marker foram decrease	DEF AT 5
20290 /20155	DEF AT - - - - -	DEF IN 4
20470 /20325	DEF AT local marker foram increase	DEF AT 5
20530 /20382	DEF AT turbid water facies	POS AT 5
20560 /20411	DEF AT Arenaceous fauna (local marker)	DEF AT 5
20590 /20439	DEF AT local marker foram decrease	DEF IN 4
20920 /20751	DEF AT siltstone	DEF IN 4
20980 /20807	DEF AT local marker foram increase	DEF AT 5
21070 /20892	DEF AT turbid water facies	POS AT 5
21190 /21006	DEF AT Arenaceous fauna (local marker)	POS AT 5
21370 /21176	DEF AT - - - - -	DEF IN 4
21570 /21365	DEF AT turbid water facies	POS IN 4
21630 /21422	DEF AT - - - - -	DEF IN 4
21690 /21479	DEF AT turbid water facies	POS IN 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 28-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10300 - 25150	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21730 /21516	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21780 /21564	DEF AT local marker foram decrease	DEF AT 5
21810 /21592	DEF AT local marker deep water fauna	DEF AT 5
21840 /21620	DEF AT turbid water facies	POS AT 5
21890 /21667	DEF AT Arenaceous fauna (local marker)	POS AT 5
21900 /21676	DEF AT gray shale	POS AT 5
21970 /21742	DEF AT siltstone	POS AT 5
21980 /21752	DEF AT Arenaceous fauna (local marker)	DEF AT 5
21989 /21760	DEF AT foram flood	DEF AT 5
21990 /21761	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
22048 /21815	DEF AT turbid water facies	POS AT 5
22049 /21816	DEF AT glauconite	POS AT 5
22050 /21817	DEF AT local marker foram decrease	POS AT 5
22090 /21855	DEF AT - - - - -	DEF AT 5
22100 /21864	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
22160 /21920	DEF AT local marker foram decrease	DEF IN 4
22197 /21955	DEF AT cement	DEF IN 4
22215 /21972	DEF AT siltstone	DEF IN 4
22420 /22162	POS AT local marker foram increase	DEF AT 5
22450 /22190	DEF AT local marker planktic foram increase	DEF AT 5
22570 /22302	DEF AT local marker foram decrease	DEF AT 5
22690 /22414	DEF AT local marker foram increase	DEF AT 5
22780 /22498	DEF AT local marker foram decrease	DEF AT 5
23080 /22779	DEF AT local marker benthic foram increase	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 28-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10300 - 25150	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23109 /22806	DEF AT reworked material	DEF AT 5
23110 /22807	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
23350 /23032	DEF AT local marker foram decrease	DEF AT 5
23440 /23117	DEF AT - - - -	DEF IN 4
23470 /23146	DEF AT pyrite	DEF AT 5
23710 /23373	DEF AT local marker benthic foram increase	DEF AT 5
23920 /23573	DEF AT local marker foram increase	DEF AT 5
24160 /23801	DEF AT local marker foram increase	DEF AT 5
24220 /23858	DEF AT local marker foram increase	DEF AT 5
24280 /23915	DEF AT local marker planktic foram increase	DEF AT 5
24580 /24201	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
24639 /24257	DEF AT glauconite	DEF AT 5
24640 /24258	DEF IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
24700 /24315	DEF AT local marker foram decrease	DEF AT 5
24760 /24372	DEF AT local marker foram increase	DEF AT 5
24790 /24400	DEF AT local marker planktic foram increase	DEF AT 5
24850 /24457	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
24980 /24580	DEF AT local marker planktic foram increase	DEF AT 5
25040 /24637	DEF AT local marker foram decrease	DEF AT 5
25060 /24656	DEF AT local marker foram increase	DEF AT 5
25070 /24665	DEF AT foram flood	DEF AT 5
25090 /24684	DEF AT limestone	DEF AT 5
25119 /24711	DEF AT foram flood	DEF AT 5
25120 /24712	DEF AT local marker planktic foram increase	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 28-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10300 - 25150	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25150 /24740	DEF AT last sample examined	DEF AT 5

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 29-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 10300 - 25180	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10300 /10299	DEF AT first sample examined	DEF AT
10301 /10300	DEF IN Pleistocene	DEF AT
10660 /10659	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10720 /10719	DEF AT local marker floral decrease	DEF AT
10900 /10899	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10960 /10959	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11020 /11019	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
11140 /11139	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11260 /11259	DEF AT local marker floral decrease	DEF AT
11499 /11498	DEF AT floral flood	DEF AT
11500 /11499	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11620 /11619	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11860 /11859	DEF AT local marker floral decrease	DEF AT
11920 /11919	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11980 /11979	DEF AT local marker floral decrease	DEF AT
12099 /12098	DEF AT floral flood	DEF AT
12100 /12099	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12280 /12279	DEF AT local marker floral decrease	DEF AT
12340 /12339	DEF AT local marker floral increase	DEF AT
12400 /12399	DEF AT local marker floral decrease	DEF AT
12790 /12789	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
12910 /12909	DEF AT local marker floral decrease	DEF AT

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 696	<b>Date of Summary:</b> 29-JAN-2004	<b>First Sample Examined:</b> 10300
<b>Lease Number:</b> G16641	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25180
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24769
<b>API Well Number:</b> 608174103400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10300 - 25180	<b>Water Depth:</b> 6989
<b>Public Info Code:</b> Y 19-APR-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14110 /14109	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14230 /14229	DEF AT local marker floral decrease	DEF AT
14470 /14469	DEF AT local marker floral increase	DEF AT
14590 /14589	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14770 /14769	DEF AT local marker floral decrease	DEF AT
14830 /14829	DEF AT reworked material	DEF AT
14890 /14889	DEF AT floral flood	DEF AT
14950 /14949	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15070 /15069	DEF AT local marker floral decrease	DEF AT
15130 /15129	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15190 /15189	DEF AT local marker floral decrease	DEF AT
15250 /15249	DEF AT floral flood	DEF AT
15310 /15309	DEF AT local marker floral decrease	DEF AT
15370 /15369	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15490 /15489	DEF AT local marker floral increase	DEF AT
15790 /15789	DEF AT local marker floral decrease	DEF AT
16210 /16209	DEF AT local marker floral increase	DEF AT
16450 /16449	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16510 /16509	DEF AT local marker floral decrease	DEF AT
16630 /16629	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16840 /16839	DEF AT floral flood	DEF AT
16870 /16869	DEF AT local marker floral decrease	DEF AT
16900 /16899	DEF AT local marker floral increase	DEF AT
16930 /16929	DEF AT floral flood	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 696	<b>Date of Summary:</b> 29-JAN-2004	<b>First Sample Examined:</b> 10300
<b>Lease Number:</b> G16641	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25180
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24769
<b>API Well Number:</b> 608174103400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10300 - 25180	<b>Water Depth:</b> 6989
<b>Public Info Code:</b> Y 19-APR-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16960 /16959	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17020 /17019	DEF AT floral flood	DEF AT
17050 /17049	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
17170 /17169	DEF AT local marker floral decrease	DEF AT
17590 /17584	DEF AT local marker floral decrease	DEF AT
18010 /17991	DEF AT local marker floral increase	DEF AT
18130 /18105	DEF AT floral flood	DEF AT
18190 /18162	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18340 /18304	DEF AT local marker floral decrease	DEF AT
18400 /18361	DEF AT local marker floral increase	DEF AT
18700 /18645	DEF AT local marker floral decrease	DEF AT
18760 /18702	DEF AT local marker floral decrease	DEF AT
18880 /18816	DEF AT floral flood	DEF AT
19090 /19017	DEF AT local marker floral decrease	DEF AT
19390 /19302	DEF AT local marker floral decrease	DEF AT
20080 /19956	DEF AT floral flood	DEF AT
20260 /20127	DEF AT local marker floral decrease	DEF AT
20439 /20296	DEF AT floral flood	DEF AT
20440 /20297	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
20560 /20411	DEF AT local marker floral decrease	DEF AT
20649 /20495	DEF AT floral flood	DEF AT
20650 /20496	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20770 /20609	DEF AT local marker floral decrease	DEF AT
20980 /20807	DEF AT floral flood	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 29-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 10300 - 25180	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21100 /20921	DEF AT local marker floral decrease	DEF AT
21610 /21403	DEF AT local marker floral increase	DEF AT
21670 /21460	DEF AT local marker floral increase	DEF AT
21700 /21488	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21730 /21516	DEF AT local marker floral decrease	DEF AT
21970 /21742	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22000 /21770	DEF AT local marker floral increase	DEF AT
22060 /21827	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22180 /21939	DEF AT local marker floral decrease	DEF AT
22215 /21972	DEF AT local marker floral increase	DEF AT
22240 /21995	DEF AT local marker floral decrease	DEF AT
22270 /22023	DEF AT reworked material	DEF AT
22420 /22162	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22480 /22218	DEF AT reworked material	DEF AT
22840 /22554	DEF AT local marker floral decrease	DEF AT
22960 /22667	DEF AT floral flood	DEF AT
23140 /22835	DEF AT local marker floral increase	DEF AT
23170 /22863	DEF AT reworked material	DEF AT
23290 /22976	DEF AT reworked material	DEF AT
23350 /23032	DEF AT local marker floral increase	DEF AT
23380 /23061	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
23410 /23089	DEF AT local marker floral increase	DEF AT
23470 /23146	DEF AT local marker floral decrease	DEF AT
24220 /23858	DEF AT local marker floral increase	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 696	Date of Summary: 29-JAN-2004	First Sample Examined: 10300
Lease Number: G16641	Source of Paleo: OPERATOR	Borehole MD: 25180
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24769
API Well Number: 608174103400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 10300 - 25180	Water Depth: 6989
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24340 /23972	DEF AT floral flood	DEF AT
24430 /24058	DEF AT local marker floral decrease	DEF AT
24579 /24200	DEF AT floral flood	DEF AT
24580 /24201	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24581 /24202	POS AT Lower Miocene Discoaster lidzii	DEF AT
24640 /24258	DEF AT floral flood	DEF AT
24730 /24343	DEF AT local marker floral decrease	DEF AT
24760 /24372	DEF AT floral flood	DEF AT
24850 /24457	DEF AT floral flood	DEF AT
24940 /24542	DEF AT local marker floral decrease	DEF AT
24970 /24571	DEF AT floral flood	DEF AT
25060 /24656	DEF AT local marker floral increase	DEF AT
25090 /24684	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25120 /24712	DEF AT local marker floral decrease	DEF AT
25150 /24740	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25180 /24768	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 697	Date of Summary: 03-FEB-2015	First Sample Examined: 10686
Lease Number: G34019	Source of Paleo: OPERATOR	Borehole MD: 14655
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14587
API Well Number: 608174128500	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 10686 - 14655	Water Depth: 7164
Public Info Code: Y 19-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10686 /10686	DEF AT first sample examined	DEF IN 6
10687 /10687	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF IN 6
10696 /10696	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 6
10850 /10850	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
10940 /10940	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 6
11090 /11090	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 6
11120 /11120	DEF AT - - - - -	DEF AT 5
11390 /11390	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
11420 /11420	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
12230 /12230	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
12440 /12440	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
12530 /12530	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus (increase)	DEF AT 5
12558 /12558	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
12559 /12559	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
12560 /12560	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
12590 /12590	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
12680 /12680	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
12890 /12890	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
12934 /12934	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12954 /12954	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT 5
13040 /13040	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
13070 /13070	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 697	<b>Date of Summary:</b> 03-FEB-2015	<b>First Sample Examined:</b> 10686
<b>Lease Number:</b> G34019	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14655
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14587
<b>API Well Number:</b> 608174128500	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10686 - 14655	<b>Water Depth:</b> 7164
<b>Public Info Code:</b> Y 19-JUL-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13430 /13430	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
13490 /13489	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
13549 /13548	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13550 /13549	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
13699 /13696	DEF AT floral flood	DEF AT 5
13700 /13697	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
14510 /14455	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
14540 /14482	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14655 /14587	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 697	<b>Date of Summary:</b> 12-MAR-2015	<b>First Sample Examined:</b> 13746
<b>Lease Number:</b> G34019	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18251
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17811
<b>API Well Number:</b> 608174128501	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13746 - 18250	<b>Water Depth:</b> 7164
<b>Public Info Code:</b> Y 19-JUL-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13746 /13744	DEF AT first sample examined	DEF IN 5
13747 /13745	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
13748 /13746	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
13760 /13758	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
14460 /14431	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
14490 /14459	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
14700 /14648	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
15049 /14959	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
15080 /14986	DEF AT - - - - -	DEF AT 6
15200 /15093	DEF AT - - - - -	DEF AT 5
15400 /15271	DEF AT local marker planktic foram increase	DEF AT 5
15700 /15538	DEF AT local marker planktic foram increase	DEF AT 5
16450 /16206	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16480 /16233	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
16540 /16286	DEF AT local marker floral increase	DEF AT 5
16750 /16473	DEF AT Bathysiphon fauna	DEF AT 5
17260 /16927	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
17290 /16954	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
17320 /16980	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5
17379 /17033	DEF IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
17380 /17034	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
18250 /17809	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 705	Date of Summary: 24-MAR-2000	First Sample Examined: 5365
Lease Number: G18273	Source of Paleo: OPERATOR	Borehole MD: 15282
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11825
API Well Number: 608174086000	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5265 - 15284	Water Depth: 854
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5265 / 5123	DEF AT first sample examined	DEF AT
8570 / 7403	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10970 / 8987	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11960 / 9641	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12960 /10299	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14000 /10983	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14450 /11279	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15200 /11771	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15284 /	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 705	Date of Summary: 24-MAR-2000	First Sample Examined: 5265
Lease Number: G18273	Source of Paleo: OPERATOR	Borehole MD: 15282
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11825
API Well Number: 608174086000	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5265 - 15284	Water Depth: 854
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5265 / 5123	DEF AT first sample examined	POS AT 4
5266 / 5123	DEF IN cement	POS AT 4
5570 / 5346	DEF AT -----	DEF AT 4
6830 / 6210	DEF AT -----	DEF AT 5
10250 / 8512	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11960 / 9641	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
12200 / 9799	DEF AT -----	DEF AT 5
14450 / 11279	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15200 / 11771	DEF AT -----	DEF IN 5
15284 /	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 705	Date of Summary: 13-AUG-2004	First Sample Examined: 5222
Lease Number: G18273	Source of Paleo: OPERATOR	Borehole MD: 13645
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12830
API Well Number: 608174104500	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 5222 - 13645	Water Depth: 851
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5222 / 5172	DEF AT first sample examined	DEF IN 4
5720 / 5618	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
5780 / 5671	DEF AT - - - - -	DEF AT 5
6980 / 6752	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7880 / 7569	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
10120 / 9603	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
10270 / 9740	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10899 /10314	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
10900 /10315	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
11080 /10480	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
11800 /11134	DEF AT - - - - -	DEF AT 5
11980 /11299	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
12820 /12071	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
13390 /12595	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
13420 /12623	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13450 /12651	DEF AT - - - - -	DEF IN 5
13480 /12678	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
13540 /12733	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
13630 /12817	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
13645 /12830	DEF AT last sample examined	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 705	Date of Summary: 08-MAR-1999	First Sample Examined: 3070
Lease Number: G19980	Source of Paleo: OPERATOR	Borehole MD: 13250
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10538
API Well Number: 608174083900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 3070 - 13250	Water Depth: 854
Public Info Code: Y 01-FEB-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3070 / 3070	DEF AT first sample examined	DEF AT
3071 / 3071	DEF IN Upper Pleistocene	DEF AT
4570 / 4507	DEF AT local marker floral increase	DEF AT
4690 / 4609	POS AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
4750 / 4658	DEF AT floral flood	DEF AT
5890 / 5498	DEF AT local marker floral increase	DEF AT
6310 / 5785	DEF AT local marker floral increase	DEF AT
6850 / 6146	DEF AT floral flood	DEF AT
7510 / 6590	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10330 / 8522	DEF AT floral flood	DEF AT
10450 / 8605	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R.	DEF AT
11050 / 9021	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11770 / 9508	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13090 /10425	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13250 /10538	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 705	Date of Summary: 01-JUN-1999	First Sample Examined: 3070
Lease Number: G19980	Source of Paleo: OPERATOR	Borehole MD: 13250
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10538
API Well Number: 608174083900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 3070 - 13250	Water Depth: 854
Public Info Code: Y 01-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 3760=local Bolivina acme, 3820=Bulimina aculeata acme, 5530=tan-gray shale influx, 6970=Angulogerina illingi, 7390=first observed Hanzawaia leroyi, 7450=Lower Middle Illinoian increase, 9010=Siphonodosaria emaciata, 13060=Kansan interstadial, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3070 / 3070	DEF AT first sample examined	DEF AT 4
3071 / 3071	DEF IN Pleistocene	DEF AT 4
3100 / 3100	DEF AT local marker foram increase	DEF AT 4
3130 / 3130	DEF AT local marker foram increase	DEF AT 4
3190 / 3190	DEF AT sand	DEF AT 4
3250 / 3250	DEF AT -----	DEF IN 3
3310 / 3310	DEF AT -----	DEF AT 4
3340 / 3340	DEF AT -----	DEF IN 3
3370 / 3369	DEF AT -----	DEF AT 3
3490 / 3489	DEF AT local marker foram increase	DEF IN 3
3640 / 3638	DEF AT local marker foram increase	DEF AT 3
3670 / 3667	DEF AT sand	DEF AT 3
3760 / 3756	DEF AT local marker foram increase	DEF AT 3
3820 / 3814	DEF AT local marker foram increase	DEF AT 3
3970 / 3960	DEF AT Holocene Globorotalia inflata	DEF IN 3
4180 / 4158	DEF AT -----	DEF AT 4
4390 / 4349	DEF AT -----	DEF IN 3
4630 / 4558	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF IN 3
4810 / 4707	DEF AT -----	DEF AT 4
4930 / 4802	DEF AT local marker foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 705	Date of Summary: 01-JUN-1999	First Sample Examined: 3070
Lease Number: G19980	Source of Paleo: OPERATOR	Borehole MD: 13250
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10538
API Well Number: 608174083900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 3070 - 13250	Water Depth: 854
Public Info Code: Y 01-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5200 / 5007	DEF AT -----	DEF IN 3
5500 / 5218	DEF AT cement	DEF IN 3
5530 / 5239	DEF AT gray shale	DEF IN 3
5890 / 5498	DEF AT sand	DEF IN 3
6820 / 6126	DEF AT -----	DEF AT 4
6970 / 6227	DEF AT local marker (general)	DEF AT 4
7390 / 6507	DEF AT local marker (general)	DEF AT 4
7450 / 6548	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
7480 / 6569	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7690 / 6713	DEF AT -----	DEF IN 3
8710 / 7406	DEF AT sand	DEF IN 3
9010 / 7616	DEF AT local marker (general)	DEF IN 3
9340 / 7846	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
9550 / 7991	DEF AT -----	DEF AT 3
9970 / 8279	DEF AT local marker foram increase	DEF IN 3
10300 / 8502	DEF AT local marker foram increase	DEF AT 4
10600 / 8711	DEF AT -----	DEF IN 3
10780 / 8837	DEF AT -----	DEF AT 3
10990 / 8980	DEF AT local marker foram increase	DEF AT 4
11140 / 9082	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11470 / 9304	DEF AT -----	DEF IN 3
11680 / 9447	DEF AT local marker foram increase	DEF IN 3
11920 / 9610	DEF AT -----	DEF AT 3
12790 / 10214	POS AT local marker foram increase	DEF AT 3

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 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 705	<b>Date of Summary:</b> 01-JUN-1999	<b>First Sample Examined:</b> 3070
<b>Lease Number:</b> G19980	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13250
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10538
<b>API Well Number:</b> 608174083900	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3070 - 13250	<b>Water Depth:</b> 854
<b>Public Info Code:</b> Y 01-FEB-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12850 /10256	DEF AT sand	DEF AT 3
13060 /10404	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 3
13250 /10538	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 707  
Lease Number: G25103  
Well Name: SS001  
API Well Number: 608174103900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 02-JUN-2014

Date of Summary: 11-MAY-2004  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: WESTPORT RESOURCES CORPORATION  
Sample Range: 4600 - 14200  
Ecozone Eq MMS: Y

First Sample Examined: 4600  
Borehole MD: 14200  
Borehole TVD: 14199  
Rkb Elevation: 74  
Water Depth: 1538  
Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4600 / 4600	DEF AT first sample examined	DEF AT 3
5020 / 5020	DEF AT faunal change (no faunal increase)	DEF AT 4
5200 / 5200	DEF AT faunal change (no faunal increase)	DEF AT 5
5410 / 5410	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6220 / 6220	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6280 / 6280	DEF AT faunal change (no faunal increase)	DEF IN 5
6640 / 6640	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6730 / 6730	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
7270 / 7270	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7780 / 7780	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8560 / 8560	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8740 / 8740	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9010 / 9010	DEF AT faunal change (no faunal increase)	DEF AT 5
12130 /12130	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12850 /12850	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14200 /14199	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 707	<b>Date of Summary:</b> 02-JUN-2004	<b>First Sample Examined:</b> 7530
<b>Lease Number:</b> G25103	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15869
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14425
<b>API Well Number:</b> 608174103901	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7530 - 15870	<b>Water Depth:</b> 1538
<b>Public Info Code:</b> Y 20-JUN-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7530 / 7530	DEF AT first sample examined	DEF IN 5
7770 / 7769	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
7890 / 7888	DEF AT faunal change (no faunal increase)	DEF AT 5
8550 / 8519	DEF AT faunal change (no faunal increase)	DEF IN 5
8610 / 8574	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8700 / 8656	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
8730 / 8682	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9000 / 8916	DEF AT faunal change (no faunal increase)	DEF AT 5
9510 / 9344	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11820 /11175	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15870 /	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 7846
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 1 of 4	Sample Range: 7846 - 12074	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** The section between 9910 and 10150 is condensed but apparently complete, expanded as compared to Mississippi Canyon Block 755, well 1, 10360=first four-chambered Sphaeroidinellopsis seminulina, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7846 / 7631	DEF AT first sample examined	DEF AT 6
7847 / 7631	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
8080 / 7818	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
8530 / 8177	DEF AT faunal change (no faunal increase)	DEF AT 5
8800 / 8389	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9220 / 8726	DEF AT local marker planktic foram increase	DEF AT 6
9430 / 8898	DEF AT reworked material	DEF AT 5
9580 / 9025	DEF AT reworked material	DEF AT 5
9760 / 9181	DEF AT local marker foram increase	DEF AT 6
9850 / 9260	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
9910 / 9313	DEF AT condensed section	DEF AT 6
9911 / 9314	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
9970 / 9367	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
10000 / 9394	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
10060 / 9448	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
10150 / 9530	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
10151 / 9531	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 6
10210 / 9585	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 6
10240 / 9613	DEF AT faunal change (no faunal increase)	DEF AT 5
10360 / 9724	DEF AT local marker planktic foram increase	DEF AT 5
10750 / 10095	DEF AT cement	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 7846
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 1 of 4	Sample Range: 7846 - 12074	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10810 /10152	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11770 /11098	DEF AT faunal change (no faunal increase)	DEF AT 4
11950 /11278	DEF AT local marker foram increase	DEF AT 5
12070 /11397	DEF AT faunal change (no faunal increase)	POS AT 5
12074 /11401	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 711	<b>Date of Summary:</b> 01-FEB-1999	<b>First Sample Examined:</b> 12080
<b>Lease Number:</b> G14016	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13073
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 12400
<b>API Well Number:</b> 608174083000	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 12080 - 13073	<b>Water Depth:</b> 2955
<b>Public Info Code:</b> Y 15-FEB-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Bypass 1 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12080 /11407	DEF AT first sample examined	DEF AT
12490 /11817	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 4
12520 /11847	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / <i>nepenthes</i> "B"	DEF AT 4
12580 /11907	DEF AT local marker foram increase	DEF AT 5
12640 /11967	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF AT 5
12700 /12027	DEF AT - - - - -	DEF AT 6
12820 /12147	DEF AT local marker foram increase	DEF AT 6
12850 /12177	DEF AT Lower Pliocene (Zanclian) <i>Sphaeroidinellopsis multiloba</i>	DEF AT 5
13073 /12400	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 7846
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 3 of 4	Sample Range: 7846 - 12074	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, 11560=Helicosphaera rhomba consistent (local), nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7846 / 7631	DEF AT first sample examined	DEF AT
7847 / 7631	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
7870 / 7650	DEF AT local marker floral increase	DEF AT
7990 / 7745	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8050 / 7793	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
8080 / 7818	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9280 / 8775	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9760 / 9181	DEF AT local marker floral increase	DEF AT
9880 / 9287	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9910 / 9313	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
10030 / 9421	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10090 / 9476	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10150 / 9530	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10330 / 9696	DEF AT reworked material	DEF AT
10331 / 9697	POS AT Upper (Late) Miocene	DEF AT
10390 / 9752	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
10630 / 9980	DEF AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
11350 /10680	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11560 /10888	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
12070 /11397	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 12070
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 4 of 4	Sample Range: 11481 - 13073	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12070 /11397	DEF AT first sample examined	DEF AT
12610 /11937	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13060 /12387	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-JUN-2000	First Sample Examined: 11500
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 12600
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11838
API Well Number: 608174087600	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 11500 - 12590	Water Depth: 2972
Public Info Code: Y 03-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11500 /10842	DEF AT first sample examined	DEF AT 4
11501 /10843	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
11560 /10895	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
11620 /10947	DEF AT local marker (general)	DEF AT 4
11709 /11026	DEF AT limestone	DEF AT 5
11710 /11027	DEF AT local marker foram increase	DEF AT 5
11770 /11080	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
11800 /11107	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11830 /11134	DEF AT pyrite	DEF AT 5
11831 /11135	DEF AT limestone	DEF AT 5
11890 /11189	DEF AT local marker planktic foram increase	DEF AT 5
11980 /11271	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12010 /11299	DEF AT local marker planktic foram increase	DEF AT 5
12040 /11326	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
12070 /11353	DEF AT pyrite	DEF AT 5
12280 /11545	DEF AT pyrite	DEF AT 5
12410 /11663	DEF AT - - - - -	DEF AT 4
12500 /11746	DEF AT sand	DEF AT 4
12590 /11828	DEF AT last sample examined	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-JUL-2000	First Sample Examined: 11500
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 12600
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11838
API Well Number: 608174087600	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 11500 - 12590	Water Depth: 2972
Public Info Code: Y 03-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11500 /10842	DEF AT first sample examined	DEF AT
11501 /10843	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11710 /11027	DEF AT reworked material	DEF AT
11830 /11134	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12010 /11299	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12250 /11517	DEF AT reworked material	DEF AT
12560 /11801	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 711	<b>Date of Summary:</b> 29-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14016	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13146
<b>Well Name:</b> SS005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13140
<b>API Well Number:</b> 608174089600	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 2951
<b>Public Info Code:</b> Y 24-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9120 / 9115	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
9360 / 9355	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9450 / 9445	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10800 /10794	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
11800 /11794	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
12330 /12324	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
12570 /12564	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-OCT-1997	First Sample Examined: 6000
Lease Number: G14017	Source of Paleo: OPERATOR	Borehole MD: 17707
Well Name: SS006	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17083
API Well Number: 608174057300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6000 - 17640	Water Depth: 2975
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	DEF AT 4
6270 / 6270	DEF AT local marker foram increase	DEF AT 4
6330 / 6330	DEF AT faunal change (no faunal increase)	DEF IN 4
6390 / 6390	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF IN 4
6540 / 6540	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
6810 / 6810	DEF AT faunal change (no faunal increase)	DEF AT 4
6930 / 6930	DEF AT faunal change (no faunal increase)	DEF IN 4
7050 / 7050	DEF AT local marker foram increase	DEF IN 4
7290 / 7290	DEF AT faunal change (no faunal increase)	DEF AT 4
7530 / 7530	DEF AT faunal change (no faunal increase)	DEF IN 4
7620 / 7620	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
7890 / 7890	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7920 / 7920	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8220 / 8220	DEF AT faunal change (no faunal increase)	DEF IN 4
8370 / 8370	DEF AT faunal change (no faunal increase)	DEF AT 4
9030 / 9019	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
9090 / 9075	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
9388 / 9348	POS AT condensed section	DEF IN 4
9389 / 9348	POS IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
9390 / 9349	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
9450 / 9403	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 4
9509 / 9456	POS AT condensed section	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-OCT-1997	First Sample Examined: 6000
Lease Number: G14017	Source of Paleo: OPERATOR	Borehole MD: 17707
Well Name: SS006	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17083
API Well Number: 608174057300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6000 - 17640	Water Depth: 2975
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9510 / 9457	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
9659 / 9589	POS AT condensed section	DEF IN 4
9660 / 9590	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 4
9930 / 9828	POS AT out-of-place section	DEF IN 4
10770 /10593	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
10890 /10704	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
11160 /10954	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 4
11220 /11009	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 4
11400 /11174	DEF AT transported shelf fauna	DEF IN 4
12750 /12418	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 4
13590 /13205	DEF AT faunal change (no faunal increase)	DEF AT 4
13650 /13262	DEF AT transported shelf fauna	DEF AT 4
13830 /13434	DEF AT local marker benthic foram increase	DEF AT 4
13950 /13549	DEF AT faunal change (no faunal increase)	DEF IN 3
14190 /13780	DEF AT faunal change (no faunal increase)	DEF AT 4
14640 /14215	DEF AT transported shelf fauna	DEF IN 4
15150 /14713	DEF AT local marker foram increase	DEF IN 4
15210 /14772	POS AT Eggerella 3 (local marker)	DEF IN 4
15240 /14801	DEF AT Arenaceous fauna (local marker)	DEF IN 4
15300 /14859	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
15420 /14975	DEF AT Bathysiphon fauna	DEF IN 4
15480 /15033	DEF AT Eggerella 3 (local marker)	DEF IN 4
15809 /15348	DEF AT local marker foram decrease	DEF AT 4
15810 /15349	DEF AT cement	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 01-OCT-1997	First Sample Examined: 6000
Lease Number: G14017	Source of Paleo: OPERATOR	Borehole MD: 17707
Well Name: SS006	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17083
API Well Number: 608174057300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6000 - 17640	Water Depth: 2975
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15990 /15519	DEF AT faunal change (no faunal increase)	DEF IN 4
16050 /15575	DEF AT Eggerella 3 (local marker)	DEF IN 4
16170 /15687	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
16260 /15770	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
16710 /16175	DEF AT faunal change (no faunal increase)	POS IN 3
16980 /16418	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
17640 /17021	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 31-OCT-1997	First Sample Examined: 6000
Lease Number: G14017	Source of Paleo: OPERATOR	Borehole MD: 17707
Well Name: SS006	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17083
API Well Number: 608174057300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 6000 - 17640	Water Depth: 2975
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	DEF AT
6001 / 6001	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
6300 / 6300	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7140 / 7140	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7500 / 7500	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7590 / 7590	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
7800 / 7800	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7890 / 7890	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8070 / 8070	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8850 / 8846	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9090 / 9075	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9360 / 9322	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9420 / 9376	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
9450 / 9403	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9510 / 9457	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9690 / 9616	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
9930 / 9828	DEF AT reworked material	DEF AT
9960 / 9855	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
10920 /10732	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11550 /11312	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
12510 /12196	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13230 /12866	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 711	Date of Summary: 31-OCT-1997	First Sample Examined: 6000
Lease Number: G14017	Source of Paleo: OPERATOR	Borehole MD: 17707
Well Name: SS006	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17083
API Well Number: 608174057300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 6000 - 17640	Water Depth: 2975
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14520 /14099	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14640 /14215	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15270 /14830	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
15360 /14917	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15660 /15206	DEF IN Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
16020 /15547	DEF AT local marker floral increase	DEF AT
16200 /15715	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16440 /15934	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17160 /16581	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
17161 /16582	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17220 /16636	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
17640 /17021	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 713	Date of Summary: 08-AUG-1997	First Sample Examined: 5130
Lease Number: G14651	Source of Paleo: OPERATOR	Borehole MD: 13887
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13870
API Well Number: 608174054800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 5130 - 16030	Water Depth: 3210
Public Info Code: Y 30-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5130 / 5130	DEF AT first sample examined	DEF AT
5131 / 5131	DEF IN Upper Pleistocene	DEF AT
5910 / 5910	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6570 / 6570	DEF AT local marker floral increase	DEF AT
6690 / 6690	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6870 / 6870	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7410 / 7410	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7470 / 7470	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8130 / 8130	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9000 / 9000	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
9120 / 9120	DEF AT local marker floral increase	DEF AT
9630 / 9630	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9750 / 9750	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9810 / 9810	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
10830 /10829	DEF IN salt	DEF AT
14738 /	DEF AT base of salt	DEF AT
14739 /	POS IN Upper (Late) Miocene	DEF AT
14740 /	POS IN Middle Miocene	DEF AT
14920 /	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14980 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15040 /	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15500 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 713  
 Lease Number: G14651  
 Well Name: 001  
 API Well Number: 608174054800  
 Paleo Report Num: 1 of 3  
 Public Info Code: Y 30-APR-2004

Date of Summary: 08-AUG-1997  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 5130 - 16030  
 Ecozone Eq MMS:

First Sample Examined: 5130  
 Borehole MD: 13887  
 Borehole TVD: 13870  
 Rkb Elevation: 82  
 Water Depth: 3210  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15730 /	POS IN Lower (Early) Miocene	DEF AT
15731 /	POS IN Eocene	DEF AT
15910 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16030 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 713	Date of Summary: 10-MAR-1998	First Sample Examined: 5130
Lease Number: G14651	Source of Paleo: OPERATOR	Borehole MD: 13887
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13870
API Well Number: 608174054800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 5130 - 8730	Water Depth: 3210
Public Info Code: Y 30-APR-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report for bypass 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5130 / 5130	DEF AT first sample examined	DEF AT 4
5220 / 5220	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
5310 / 5310	DEF AT -----	DEF AT 2
5520 / 5520	DEF AT -----	DEF AT 3
5790 / 5790	DEF AT -----	DEF AT 4
6510 / 6510	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
6810 / 6810	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
6900 / 6900	DEF AT -----	DEF AT 4
7150 / 7150	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
7370 / 7370	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
7419 / 7419	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
7420 / 7420	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 5
7630 / 7630	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7690 / 7690	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
7750 / 7750	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
8730 / 8730	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 713	Date of Summary: 10-MAR-1998	First Sample Examined: 8730
Lease Number: G14651	Source of Paleo: OPERATOR	Borehole MD: 13887
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13870
API Well Number: 608174054800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 3 of 3	Sample Range: 8730 - 16060	Water Depth: 3210
Public Info Code: Y 30-APR-2004	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report for bypass 2

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
8730 / 8730	DEF AT first sample examined	POS	AT	4
8731 / 8731	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	POS	AT	4
8910 / 8910	DEF AT - - - - -	DEF	AT	4
9570 / 9570	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
9780 / 9780	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	4
9810 / 9810	DEF AT salt	DEF	AT	4
14740 /	DEF AT base of salt	DEF	AT	5
14770 /	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	5
14949 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	5
14950 /	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF	AT	5
15250 /	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF	AT	5
15490 /	DEF AT - - - - -	DEF	AT	2
15550 /	DEF AT - - - - -	DEF	AT	4
15760 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	4
15970 /	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	4
16060 /	DEF AT last sample examined	DEF	AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 714	Date of Summary: 10-FEB-1999	First Sample Examined: 5450
Lease Number: G15507	Source of Paleo: OPERATOR	Borehole MD: 9494
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9494
API Well Number: 608174081600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5450 - 9490	Water Depth: 3262
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5450 / 5450	DEF AT first sample examined	DEF IN 4
5750 / 5750	DEF AT -----	DEF IN 3
5860 / 5860	DEF AT -----	DEF AT 2
5990 / 5990	DEF AT -----	DEF IN 2
6290 / 6290	DEF AT -----	DEF AT 3
6350 / 6350	DEF AT -----	DEF AT 5
6410 / 6410	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
6740 / 6740	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
6980 / 6980	DEF AT -----	DEF AT 5
7100 / 7100	DEF AT transported outer shelf facies	POS AT 5
7220 / 7220	DEF AT -----	DEF AT 4
7280 / 7280	DEF AT -----	DEF IN 5
7790 / 7790	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
8300 / 8300	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
8480 / 8480	DEF AT -----	DEF IN 5
8599 / 8599	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
8600 / 8600	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
8840 / 8840	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8930 / 8930	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
8975 / 8975	DEF IN salt	DEF IN 5
9050 / 9050	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
9440 / 9440	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 714	Date of Summary: 27-SEP-1999	First Sample Examined: 5540
Lease Number: G15507	Source of Paleo: OPERATOR	Borehole MD: 16083
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16065
API Well Number: 608174082500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5540 - 16083	Water Depth: 3262
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5540 / 5540	DEF AT first sample examined	DEF AT 2
5960 / 5960	DEF AT - - - - -	DEF AT 3
6320 / 6320	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
6860 / 6860	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7310 / 7310	DEF AT - - - - -	DEF AT 6
8090 / 8090	DEF AT - - - - -	DEF AT 5
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8480 / 8480	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
8540 / 8540	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8570 / 8570	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8600 / 8600	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
8750 / 8750	DEF AT - - - - -	DEF AT 6
8930 / 8930	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
8968 / 8968	DEF AT salt	DEF AT 6
9000 / 9000	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
15130 /15115	DEF AT base of salt	DEF IN 5
15134 /15119	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
15139 /15124	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
15140 /15125	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15170 /15155	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
15620 /15604	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 5
15770 /15753	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 714	Date of Summary: 27-SEP-1999	First Sample Examined: 5540
Lease Number: G15507	Source of Paleo: OPERATOR	Borehole MD: 16083
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16065
API Well Number: 608174082500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5540 - 16083	Water Depth: 3262
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16040 /16022	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 718	Date of Summary: 25-OCT-1995	First Sample Examined: 4400
Lease Number: G07952	Source of Paleo: OPERATOR	Borehole MD: 22500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22489
API Well Number: 608174051000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4400 - 22500	Water Depth: 2813
Public Info Code: Y 19-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4400 / 4400	DEF AT first sample examined	POS IN 4
5000 / 5000	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	POS IN 4
5210 / 5210	DEF AT -----	DEF AT 6
5570 / 5570	DEF AT -----	DEF AT 5
6620 / 6619	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
6770 / 6769	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7400 / 7399	DEF AT -----	DEF AT 6
7790 / 7789	DEF AT -----	DEF AT 5
8090 / 8089	DEF AT -----	DEF AT 6
8120 / 8119	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 6
8209 / 8208	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 6
8210 / 8209	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
8510 / 8509	DEF AT -----	DEF AT 5
8870 / 8869	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9139 / 9138	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
9140 / 9139	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
9169 / 9168	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
9170 / 9169	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
9230 / 9229	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
11030 /11029	DEF AT cement	POS AT 6
11120 /11119	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
11180 /11179	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 718	Date of Summary: 25-OCT-1995	First Sample Examined: 4400
Lease Number: G07952	Source of Paleo: OPERATOR	Borehole MD: 22500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22489
API Well Number: 608174051000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4400 - 22500	Water Depth: 2813
Public Info Code: Y 19-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11240 /11239	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11540 /11539	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
12260 /12259	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12710 /12709	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
12860 /12859	DEF AT - - - - -	DEF AT 6
13160 /13159	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
13520 /13519	DEF AT - - - - -	DEF AT 5
14840 /14839	DEF AT - - - - -	DEF AT 6
15800 /15798	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
16190 /16188	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
16250 /16248	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
16670 /16668	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
16969 /16967	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
16970 /16968	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
17330 /17328	DEF AT - - - - -	DEF AT 5
17629 /17627	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
17630 /17628	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
18800 /18796	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
19520 /19514	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 5
19580 /19574	DEF AT - - - - -	DEF AT 6
20120 /20113	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
21140 /21131	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
21920 /21910	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
22500 /22489	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 718	Date of Summary: 09-FEB-2004	First Sample Examined: 13680
Lease Number: G07952	Source of Paleo: OPERATOR	Borehole MD: 22447
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 22434
API Well Number: 608174102500	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 13680 - 21240	Water Depth: 2920
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13680 /13679	DEF AT first sample examined	DEF AT
13681 /13680	DEF IN Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
16710 /16709	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16950 /16949	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17820 /17819	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17910 /17909	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
18390 /18389	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
18930 /18928	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19050 /19048	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19920 /19917	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20430 /20426	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21240 /21232	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 718	Date of Summary: 28-APR-2004	First Sample Examined: 22150
Lease Number: G07952	Source of Paleo: OPERATOR	Borehole MD: 26569
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 26552
API Well Number: 608174102501	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 22150 - 26569	Water Depth: 2925
Public Info Code: Y 18-AUG-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, interval from 22150 to 26569 is dominantly of a Lower bathyal affinity, sporadic instances of shallow tendencies, or input of dominantly transported material occur

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22150 /22140	DEF AT first sample examined	POS AT 6
22151 /22141	DEF AT base of salt	POS AT 6
22169 /22159	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 6
22170 /22160	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS AT 6
24300 /24289	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
25140 /25127	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	POS AT 6
25260 /25247	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS AT 6
26568 /26551	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	POS AT 6
26569 /26552	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 718	Date of Summary: 04-JAN-1996	First Sample Examined: 13600
Lease Number: G13687	Source of Paleo: OPERATOR	Borehole MD: 22430
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20033
API Well Number: 608174051001	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 13600 - 22430	Water Depth: 2813
Public Info Code: Y 19-JAN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Pluto Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13600 /13599	DEF AT first sample examined	POS AT 5
13601 /13600	DEF AT cement	POS AT 5
13630 /13629	DEF IN Lower Pliocene Zanclean Stage	POS AT 5
13660 /13659	DEF AT -----	DEF AT 5
15160 /15025	DEF AT -----	DEF AT 5
15550 /15293	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS AT 5
15790 /15450	DEF AT -----	DEF AT 5
16360 /15836	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
17920 /16870	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
17950 /16890	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
18400 /17194	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
19059 /17630	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
19060 /17631	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
19930 /18189	DEF AT -----	DEF AT 5
21070 /18926	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
21340 /19126	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
22300 /19917	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 5
22430 /20033	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 722	Date of Summary: 04-APR-2005	First Sample Examined: 6710
Lease Number: G18278	Source of Paleo: OPERATOR	Borehole MD: 29212
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26959
API Well Number: 608174105200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6710 - 29210	Water Depth: 3869
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
6710 / 6708	DEF AT first sample examined	DEF AT 5
7700 / 7698	DEF AT -----	DEF IN 5
7820 / 7817	DEF AT -----	DEF AT 5
8960 / 8957	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8990 / 8987	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9020 / 9017	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9080 / 9077	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9407 / 9404	DEF AT -----	DEF AT 5
9560 / 9557	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9650 / 9647	DEF AT -----	DEF AT 6
9680 / 9677	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9890 / 9887	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9920 / 9917	DEF AT -----	DEF AT 5
11480 /11477	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
12320 /12317	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
12470 /12467	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13100 /13097	DEF AT salt	DEF AT 5
22340 /21926	DEF AT base of salt	DEF AT 5
22341 /21926	DEF IN out-of-place section	DEF AT 5
22460 /22015	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25190 /24008	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
25370 /24140	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 722	Date of Summary: 04-APR-2005	First Sample Examined: 6710
Lease Number: G18278	Source of Paleo: OPERATOR	Borehole MD: 29212
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26959
API Well Number: 608174105200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6710 - 29210	Water Depth: 3869
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29210 /26958	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 722	Date of Summary: 04-APR-2005	First Sample Examined: 6710
Lease Number: G18278	Source of Paleo: OPERATOR	Borehole MD: 29212
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26959
API Well Number: 608174105200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6710 - 14400	Water Depth: 3869
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
6710 / 6708	DEF AT first sample examined	DEF AT
7910 / 7907	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8960 / 8957	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8990 / 8987	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9020 / 9017	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9050 / 9047	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9200 / 9197	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9710 / 9707	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9770 / 9767	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9950 / 9947	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
11240 /11237	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11270 /11267	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11660 /11657	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12110 /12107	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12140 /12137	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12350 /12347	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12380 /12377	DEF AT salt	DEF AT
12470 /12467	POS IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12500 /12497	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13100 /13097	DEF IN salt	DEF AT
22340 /21926	DEF AT base of salt	DEF AT
22341 /21926	DEF IN out-of-place section	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 722  
 Lease Number: G18278  
 Well Name: 001  
 API Well Number: 608174105200  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 31-JUL-2007

Date of Summary: 04-APR-2005  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: HESS CORPORATION  
 Sample Range: 6710 - 14400  
 Ecozone Eq MMS:

First Sample Examined: 6710  
 Borehole MD: 29212  
 Borehole TVD: 26959  
 Rkb Elevation: 82  
 Water Depth: 3869  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22430 /21992	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23720 /22936	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
25190 /24008	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
27020 /25343	DEF AT local marker floral increase	DEF AT
29210 /26958	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 725	Date of Summary: 12-DEC-2003	First Sample Examined: 7299
Lease Number: G22898	Source of Paleo: OPERATOR	Borehole MD: 22042
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21058
API Well Number: 608174100900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 7299 - 9810	Water Depth: 4334
Public Info Code: Y 07-JUN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Tubular Bells Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7299 / 7299	DEF AT first sample examined	DEF AT 6
7350 / 7350	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 6
7380 / 7380	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 6
7650 / 7650	POS AT transported shelf fauna	DEF AT 5
7800 / 7800	DEF AT - - - - -	DEF AT 6
7950 / 7950	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
8520 / 8520	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
8610 / 8610	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 6
8640 / 8640	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
8669 / 8669	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
8670 / 8670	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 6
8700 / 8700	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
8790 / 8790	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
8910 / 8910	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
8940 / 8940	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
8970 / 8970	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
9120 / 9120	POS AT transported shelf fauna	DEF AT 5
9810 / 9810	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 725	<b>Date of Summary:</b> 04-DEC-2003	<b>First Sample Examined:</b> 21910
<b>Lease Number:</b> G22898	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31131
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29062
<b>API Well Number:</b> 608174100901	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 21910 - 31131	<b>Water Depth:</b> 4334
<b>Public Info Code:</b> Y 16-NOV-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Tubular Bells Prospect, company-integrated foram and nanno report for bypass 1, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21910 /20960	DEF AT first sample examined	DEF AT 6
21911 /20961	POS AT base of salt	DEF AT 6
21912 /20961	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
24650 /23341	POS AT transported shelf fauna	DEF AT 5
24681 /23368	DEF AT faunal change (no faunal increase)	DEF AT 5
25550 /24153	POS AT transported shelf fauna	DEF AT 5
25703 /24292	DEF AT faunal change (no faunal increase)	DEF AT 5
25710 /24298	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
25900 /24471	POS AT transported shelf fauna	DEF AT 5
25911 /24481	DEF AT faunal change (no faunal increase)	DEF AT 5
27105 /25541	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 5
27650 /26021	POS AT transported shelf fauna	DEF AT 5
27681 /26049	DEF AT faunal change (no faunal increase)	DEF AT 5
28130 /26440	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
29329 /27467	POS AT transported shelf fauna	DEF AT 5
29330 /27468	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5
29541 /27652	DEF AT faunal change (no faunal increase)	DEF AT 5
30260 /28292	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
30290 /28319	POS AT transported shelf fauna	DEF AT 5
30321 /28346	DEF AT faunal change (no faunal increase)	DEF AT 5
31131 /29062	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 726	Date of Summary: 20-NOV-2006	First Sample Examined: 7440
Lease Number: G21776	Source of Paleo: OPERATOR	Borehole MD: 26150
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25499
API Well Number: 608174107900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 7440 - 26150	Water Depth: 4602
Public Info Code: Y 30-OCT-2016	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Tubular Bells Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7440 / 7440	DEF AT first sample examined	DEF AT
7441 / 7441	DEF IN reworked material	DEF AT
7530 / 7530	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7799 / 7799	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7800 / 7800	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7890 / 7890	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8009 / 8009	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8010 / 8010	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8130 / 8130	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8160 / 8160	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
8400 / 8400	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
8577 / 8577	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8578 / 8578	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8579 / 8579	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8580 / 8580	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8639 / 8639	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
8640 / 8640	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
8790 / 8790	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8849 / 8849	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
8850 / 8850	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
8879 / 8879	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 726	Date of Summary: 20-NOV-2006	First Sample Examined: 7440
Lease Number: G21776	Source of Paleo: OPERATOR	Borehole MD: 26150
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25499
API Well Number: 608174107900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 7440 - 26150	Water Depth: 4602
Public Info Code: Y 30-OCT-2016	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8880 / 8880	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
8970 / 8970	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
9360 / 9360	DEF AT salt	DEF AT
18755 /18755	DEF AT base of salt	DEF AT
19919 /19919	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
19920 /19920	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
21150 /21097	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21629 /21528	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21630 /21528	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21810 /21687	DEF AT reworked material	DEF AT
22860 /22612	DEF AT local marker floral increase	DEF AT
23400 /23089	DEF AT local marker floral increase	DEF AT
23790 /23432	DEF AT local marker floral increase	DEF AT
23820 /23459	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
23880 /23512	DEF AT Arenaceous fauna (local marker)	DEF AT
24210 /23802	DEF AT reworked material	DEF AT
24539 /24092	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
24540 /24093	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
25210 /24683	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
25960 /25334	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26150 /25499	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 14-SEP-2000	First Sample Examined: 25269
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 1 of 5	Sample Range: 25269 - 29518	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Poseidon Prospect, calcareous nannofossil report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25269 /25211	DEF AT first sample examined	DEF AT
25284 /25226	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25285 /25227	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
29518 /29446	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 14-SEP-2000	First Sample Examined: 7550
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 2 of 5	Sample Range: 7550 - 29740	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS:	Paleo ID: 005

**Remark:** Poseidon Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7550 / 7550	DEF AT first sample examined	DEF AT
7551 / 7551	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7552 / 7552	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8180 / 8179	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8360 / 8359	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8570 / 8569	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8690 / 8689	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
8810 / 8809	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8840 / 8839	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
8868 / 8867	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
8869 / 8868	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8870 / 8869	DEF AT salt	DEF AT
14040 /14031	DEF AT base of salt	DEF AT
14060 /14051	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14240 /14230	POS AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
15650 /15637	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16460 /16446	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17480 /17465	POS AT reworked material	DEF AT
17481 /17466	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17482 /17467	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17810 /17794	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18790 /18773	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT

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 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 727	<b>Date of Summary:</b> 14-SEP-2000	<b>First Sample Examined:</b> 7550
<b>Lease Number:</b> G13145	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29750
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29680
<b>API Well Number:</b> 608174089400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 5	<b>Sample Range:</b> 7550 - 29740	<b>Water Depth:</b> 4891
<b>Public Info Code:</b> Y 26-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18940 /18922	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19630 /19609	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21280 /21242	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23140 /23092	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
26380 /26319	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
29740 /29668	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 727	<b>Date of Summary:</b> 09-APR-2001	<b>First Sample Examined:</b> 14040
<b>Lease Number:</b> G13145	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29750
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 29680
<b>API Well Number:</b> 608174089400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 3 of 5	<b>Sample Range:</b> 14040 - 29750	<b>Water Depth:</b> 4891
<b>Public Info Code:</b> Y 26-JUL-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Poseidon Prospect, from 8862 TO 14037, in drilling salt, 20494=Globorotalia peripheroacuta coiling change

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7550 / 7550	DEF AT first sample examined	DEF IN 4
7551 / 7551	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
7730 / 7730	DEF AT foram flood	DEF IN 4
7790 / 7789	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
8360 / 8359	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
8420 / 8419	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 4
8840 / 8839	POS AT salt	DEF IN 4
9110 / 9109	DEF AT salt	DEF IN 4
14060 /14051	DEF AT base of salt	DEF IN 4
14150 /14140	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
14240 /14230	DEF AT local marker foram decrease	DEF AT 4
14930 /14918	POS AT local marker foram increase	DEF IN 3
15020 /15008	DEF AT -----	DEF AT 4
15410 /15398	DEF AT -----	DEF IN 3
15560 /15547	DEF AT -----	DEF AT 4
15590 /15577	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
16250 /16236	POS AT salt weld	DEF AT 4
16251 /16237	DEF AT out-of-place section	DEF AT 4
16580 /16566	DEF AT -----	DEF IN 3
16910 /16896	POS AT -----	DEF AT 4
17480 /17465	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF AT 4
17660 /17645	DEF AT local marker foram increase	DEF AT 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727  
Lease Number: G13145  
Well Name: 001  
API Well Number: 608174089400  
Paleo Report Num: 3 of 5  
Public Info Code: Y 26-JUL-2001

Date of Summary: 09-APR-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 14040 - 29750  
Ecozone Eq MMS: Y

First Sample Examined: 14040  
Borehole MD: 29750  
Borehole TVD: 29680  
Rkb Elevation: 85  
Water Depth: 4891  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17750 /17734	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
18040 /18024	DEF AT pyrite	DEF AT 4
18280 /18264	DEF AT local marker foram increase	DEF AT 4
18940 /18922	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
19360 /19341	DEF AT - - - - -	DEF IN 3
19630 /19609	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 4
19720 /19699	DEF AT - - - - -	DEF AT 4
19840 /19818	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
20110 /20085	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
20230 /20204	DEF AT local marker foram increase	DEF AT 4
20494 /20465	DEF AT local marker planktic foram increase	DEF AT 4
20560 /20530	DEF AT local marker foram decrease	DEF AT 4
20620 /20589	DEF AT - - - - -	DEF IN 3
20770 /20738	POS AT local marker foram increase	DEF AT 4
21010 /20975	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21160 /21124	DEF AT - - - - -	DEF IN 4
21460 /21421	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21520 /21480	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
21640 /21599	DEF AT local marker foram increase	DEF AT 5
21760 /21718	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21790 /21748	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
22420 /22375	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23350 /23301	DEF AT - - - - -	DEF IN 4
23410 /23361	DEF AT local marker foram increase	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727  
Lease Number: G13145  
Well Name: 001  
API Well Number: 608174089400  
Paleo Report Num: 3 of 5  
Public Info Code: Y 26-JUL-2001

Date of Summary: 09-APR-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 14040 - 29750  
Ecozone Eq MMS: Y

First Sample Examined: 14040  
Borehole MD: 29750  
Borehole TVD: 29680  
Rkb Elevation: 85  
Water Depth: 4891  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23650 /23600	DEF AT -----	DEF AT 4
24010 /23958	POS AT -----	DEF AT 4
24221 /24168	POS AT ash	DEF AT 4
25000 /24943	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25540 /25481	DEF AT local marker foram increase	DEF AT 4
26620 /26558	DEF AT local marker foram increase	DEF AT 5
26650 /26588	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26740 /26677	DEF AT -----	DEF AT 4
26950 /26886	DEF AT gray shale	DEF AT 4
27380 /27315	DEF AT -----	DEF IN 4
27460 /27395	DEF AT local marker foram increase	DEF AT 5
27490 /27425	DEF AT -----	DEF AT 4
29440 /29369	DEF AT sandstone	DEF AT 4
29560 /29488	DEF AT gray shale	DEF AT 4
29750 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 24-APR-2001	First Sample Examined: 7550
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 4 of 5	Sample Range: 7550 - 29750	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Poseidon Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7550 / 7550	DEF AT first sample examined	DEF AT 5
7551 / 7551	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7750 / 7749	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
7790 / 7789	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
8180 / 8179	DEF IN Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT 5
8360 / 8359	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
8480 / 8479	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
8570 / 8569	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
8690 / 8689	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
8810 / 8809	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
8840 / 8839	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 5
8862 / 8861	DEF AT salt	DEF AT
8870 / 8869	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
8871 / 8870	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14040 /14031	DEF AT base of salt	DEF AT
14060 /14051	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
14240 /14230	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 4
14600 /14589	DEF AT faunal change (no faunal increase)	DEF AT 1
14930 /14918	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
15590 /15577	DEF AT local marker deep water fauna	DEF AT 2
15650 /15637	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 2
16040 /16027	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 727	<b>Date of Summary:</b> 24-APR-2001	<b>First Sample Examined:</b> 7550
<b>Lease Number:</b> G13145	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29750
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29680
<b>API Well Number:</b> 608174089400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 4 of 5	<b>Sample Range:</b> 7550 - 29750	<b>Water Depth:</b> 4891
<b>Public Info Code:</b> Y 26-JUL-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16400 /16386	DEF AT faunal change (no faunal increase)	DEF AT 4
17750 /17734	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17810 /17794	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
18760 /18743	DEF AT faunal change (no faunal increase)	DEF AT 3
18790 /18773	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 3
18940 /18922	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
19629 /19608	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
19630 /19609	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
19810 /19788	DEF AT faunal change (no faunal increase)	DEF AT 4
19840 /19818	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
20140 /20115	DEF AT faunal change (no faunal increase)	DEF AT 5
20500 /20471	DEF AT faunal change (no faunal increase)	DEF AT 4
21280 /21242	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
21460 /21421	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21520 /21480	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
21640 /21599	DEF AT faunal change (no faunal increase)	DEF AT 3
22060 /22016	DEF AT faunal change (no faunal increase)	DEF AT 2
22750 /22704	DEF AT faunal change (no faunal increase)	DEF AT 1
22960 /22913	DEF AT faunal change (no faunal increase)	DEF AT 3
23140 /23092	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 3
24220 /24167	DEF AT faunal change (no faunal increase)	DEF AT 1
26380 /26319	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 1
26680 /26617	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 1
27700 /27634	DEF AT faunal change (no faunal increase)	DEF AT 0

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 24-APR-2001	First Sample Examined: 7550
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 4 of 5	Sample Range: 7550 - 29750	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29750 /	DEF AT last sample examined	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 24-APR-2001	First Sample Examined: 7550
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 5 of 5	Sample Range: 7550 - 29740	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 004

**Remark:** Poseidon Prospect, paleo done by Bruce Robertson, 8862=top of salt according to E-log, 17990=restricted marine

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7550 / 7550	DEF AT first sample examined	DEF IN 4
7551 / 7551	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
7610 / 7610	DEF AT - - - - -	DEF IN 5
7670 / 7670	DEF IN local marker planktic foram increase	DEF AT 5
7730 / 7730	DEF AT foram flood	DEF IN 5
7790 / 7789	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
7910 / 7909	DEF AT sample gap top	DEF IN 5
8180 / 8179	DEF AT sample gap bottom	DEF IN 5
8300 / 8299	POS AT local marker foram decrease	DEF IN 5
8360 / 8359	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
8420 / 8419	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
8480 / 8479	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 5
8540 / 8539	DEF AT drilling material	DEF AT 5
8660 / 8659	DEF AT - - - - -	DEF IN 5
8720 / 8719	DEF AT - - - - -	DEF AT 5
8780 / 8779	DEF AT - - - - -	DEF IN 5
8840 / 8839	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
8862 / 8861	POS AT salt	DEF AT 5
9020 / 9019	DEF AT - - - - -	DEF IN 5
9080 / 9079	POS AT drilling material	DEF AT 4
9110 / 9109	DEF AT salt	DEF AT
14040 / 14031	POS IN Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 24-APR-2001	First Sample Examined: 7550
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 5 of 5	Sample Range: 7550 - 29740	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 /14051	DEF AT base of salt	DEF AT 3
14061 /14052	POS AT Eocene	DEF AT 3
14062 /14053	POS AT Paleocene	DEF AT 3
14090 /14081	DEF AT -----	DEF IN 4
14150 /14140	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
14210 /14200	DEF AT local marker foram increase	DEF IN 5
14390 /14379	DEF AT local marker foram decrease	DEF AT 4
14960 /14948	POS AT local marker foram increase	DEF AT 4
15050 /15038	DEF AT local marker foram decrease	POS AT 4
15110 /15098	DEF AT -----	DEF IN 3
15230 /15218	DEF AT -----	DEF AT 1
15350 /15338	POS AT local marker foram increase	DEF IN 3
15410 /15398	DEF AT -----	DEF AT 3
15470 /15458	DEF AT -----	DEF AT 2
15530 /15517	DEF AT local marker foram decrease	POS AT 2
15590 /15577	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 4
15710 /15697	DEF AT -----	DEF AT 4
15770 /15757	DEF AT -----	DEF IN 3
15830 /15817	DEF AT reworked material	DEF AT 3
15890 /15877	DEF AT -----	DEF IN 3
15950 /15937	DEF AT -----	DEF IN 4
16010 /15997	DEF AT -----	DEF AT 4
16040 /16027	DEF AT drilling material	DEF AT 3
16070 /16057	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727  
Lease Number: G13145  
Well Name: 001  
API Well Number: 608174089400  
Paleo Report Num: 5 of 5  
Public Info Code: Y 26-JUL-2001

Date of Summary: 24-APR-2001  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 7550 - 29740  
Ecozone Eq MMS: Y

First Sample Examined: 7550  
Borehole MD: 29750  
Borehole TVD: 29680  
Rkb Elevation: 85  
Water Depth: 4891  
Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16130 /16117	DEF AT -----	DEF IN 4
16190 /16176	DEF AT -----	DEF IN 3
16220 /16206	DEF AT -----	DEF AT 4
16250 /16236	DEF AT -----	DEF IN 3
16310 /16296	DEF AT -----	DEF AT 2
16430 /16416	DEF AT -----	DEF AT 4
16490 /16476	DEF AT -----	DEF AT 2
16550 /16536	DEF AT -----	DEF IN 4
16670 /16656	DEF AT -----	DEF IN 3
16730 /16716	DEF AT -----	DEF IN 3
16850 /16836	DEF AT -----	DEF AT 4
17330 /17315	DEF AT -----	DEF IN 4
17450 /17435	DEF AT -----	DEF AT 4
17510 /17495	DEF AT -----	DEF IN 4
17570 /17555	DEF AT -----	DEF AT 4
17690 /17675	DEF AT -----	DEF IN 4
17750 /17734	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
17870 /17854	DEF AT -----	DEF AT 4
17930 /17914	DEF AT drilling material	DEF IN 3
17932 /17916	DEF AT local marker foram decrease	DEF IN 3
18940 /18922	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
19630 /19609	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
19840 /19818	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
20110 /20085	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 24-APR-2001	First Sample Examined: 7550
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 5 of 5	Sample Range: 7550 - 29740	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20500 /20471	DEF AT -----	DEF AT 4
20560 /20530	DEF AT local marker foram decrease	DEF AT 2
20620 /20589	DEF AT -----	DEF IN 2
20740 /20708	DEF AT -----	DEF AT 4
20860 /20827	DEF AT local marker foram increase	DEF AT 4
20920 /20886	DEF AT -----	DEF IN 4
21040 /21005	DEF AT local marker foram decrease	DEF AT 4
21100 /21064	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
21280 /21242	DEF AT -----	DEF IN 3
21340 /21302	DEF AT -----	DEF AT 2
21400 /21361	DEF AT local marker foram decrease	POS AT 2
21460 /21421	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
21520 /21480	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
21580 /21539	DEF AT -----	DEF AT 3
21640 /21599	DEF AT pyrite	DEF IN 4
21700 /21658	DEF AT local marker foram increase	DEF AT 4
21820 /21778	DEF AT local marker foram decrease	DEF IN 3
21880 /21837	DEF AT -----	DEF AT 3
21940 /21897	DEF AT local marker foram increase	DEF AT 4
22000 /21957	DEF AT -----	DEF IN 4
22060 /22016	DEF AT local marker foram decrease	DEF AT 3
22120 /22076	DEF AT gray shale	DEF AT 2
22180 /22136	DEF AT cement	DEF AT 2
22240 /22196	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 24-APR-2001	First Sample Examined: 7550
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 5 of 5	Sample Range: 7550 - 29740	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22480 /22435	DEF AT -----	DEF AT 4
22570 /22524	DEF AT local marker foram decrease	DEF IN 3
22660 /22614	DEF AT -----	DEF IN 2
22720 /22674	DEF AT -----	DEF AT 2
22780 /22734	DEF AT -----	DEF AT 1
22840 /22793	DEF AT -----	DEF AT 2
22900 /22853	DEF AT -----	DEF AT 1
22960 /22913	DEF AT -----	DEF AT 4
23020 /22973	DEF AT -----	DEF IN 2
23080 /23032	DEF AT -----	DEF IN 3
23260 /23212	DEF AT -----	DEF IN 2
23320 /23272	DEF AT -----	DEF IN 3
23380 /23331	DEF AT -----	DEF AT 4
23440 /23391	DEF AT -----	DEF IN 4
23530 /23481	DEF AT -----	DEF IN 2
23590 /23540	DEF AT -----	DEF AT 3
23650 /23600	DEF AT -----	DEF AT 2
23890 /23839	DEF AT -----	DEF IN 2
24010 /23958	DEF AT -----	DEF IN 4
24070 /24018	DEF AT -----	DEF IN 3
24190 /24137	DEF AT -----	DEF AT 2
24490 /24435	DEF AT -----	DEF AT 1
24850 /24793	DEF AT -----	DEF AT 2
24880 /24823	DEF AT -----	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727  
 Lease Number: G13145  
 Well Name: 001  
 API Well Number: 608174089400  
 Paleo Report Num: 5 of 5  
 Public Info Code: Y 26-JUL-2001

Date of Summary: 24-APR-2001  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 7550 - 29740  
 Ecozone Eq MMS: Y

First Sample Examined: 7550  
 Borehole MD: 29750  
 Borehole TVD: 29680  
 Rkb Elevation: 85  
 Water Depth: 4891  
 Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24910 /24853	DEF AT -----	DEF AT 3
24940 /24883	DEF AT -----	DEF AT 2
24970 /24913	DEF AT -----	DEF AT 1
25000 /24943	DEF AT -----	DEF AT 3
25030 /24973	DEF AT -----	DEF AT 2
25390 /25332	DEF AT local marker foram increase	DEF IN 2
25420 /25361	DEF AT -----	DEF AT 3
25450 /25391	POS AT reworked material	DEF IN 3
25451 /25392	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
25480 /25421	DEF AT -----	DEF IN 4
25510 /25451	DEF AT -----	DEF AT 3
25540 /25481	DEF AT -----	DEF IN 3
25570 /25511	DEF AT -----	DEF AT 3
25600 /25541	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 3
25630 /25571	DEF AT -----	DEF AT 3
25660 /25601	DEF AT -----	DEF IN 3
25690 /25630	DEF AT -----	DEF IN 4
25780 /25720	DEF AT -----	DEF AT 2
25810 /25750	DEF AT -----	DEF AT 3
25840 /25780	DEF AT -----	DEF AT 2
25870 /25810	DEF AT -----	DEF AT 4
25960 /25900	DEF AT local marker foram increase	DEF IN 3
25990 /25930	DEF AT -----	DEF IN 4
26020 /25960	DEF AT -----	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 727	Date of Summary: 24-APR-2001	First Sample Examined: 7550
Lease Number: G13145	Source of Paleo: OPERATOR	Borehole MD: 29750
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29680
API Well Number: 608174089400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 5 of 5	Sample Range: 7550 - 29740	Water Depth: 4891
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26050 /25989	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
26080 /26019	DEF AT -----	DEF AT 1
26110 /26049	DEF AT -----	DEF AT 2
26200 /26139	DEF AT -----	DEF AT 3
26290 /26229	DEF AT -----	DEF AT 2
26380 /26319	DEF AT local marker foram increase	DEF AT 4
26410 /26349	DEF AT -----	DEF IN 2
26440 /26378	DEF AT -----	DEF AT 1
26560 /26498	DEF AT -----	DEF AT 2
26590 /26528	DEF AT -----	DEF IN 2
26620 /26558	DEF AT local marker foram increase	DEF IN 3
26650 /26588	DEF AT -----	DEF AT 4
26680 /26617	DEF AT -----	DEF AT 5
26740 /26677	DEF AT local marker foram decrease	DEF AT 2
26770 /26707	DEF AT -----	DEF AT 1
26830 /26767	DEF AT -----	DEF IN 1
26860 /26797	POS AT local marker foram increase	DEF AT 2
26890 /26827	DEF AT -----	DEF AT 1
26920 /26857	DEF AT -----	DEF AT 3
26950 /26886	DEF AT -----	DEF AT 2
27010 /26946	DEF AT -----	DEF AT 1
27130 /27066	DEF AT -----	DEF IN 1
27280 /27216	DEF AT -----	DEF AT 2
27460 /27395	DEF AT local marker foram increase	DEF AT 3

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 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> MC 727	<b>Date of Summary:</b> 24-APR-2001	<b>First Sample Examined:</b> 7550
<b>Lease Number:</b> G13145	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29750
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29680
<b>API Well Number:</b> 608174089400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 5 of 5	<b>Sample Range:</b> 7550 - 29740	<b>Water Depth:</b> 4891
<b>Public Info Code:</b> Y 26-JUL-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27490 /27425	DEF AT -----	DEF AT 4
28390 /28322	DEF AT -----	DEF IN 2
28870 /28800	DEF AT -----	DEF AT 2
29740 /29668	DEF AT last sample examined	DEF AT 2

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 728	<b>Date of Summary:</b> 01-DEC-2003	<b>First Sample Examined:</b> 9030
<b>Lease Number:</b> G16644	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14448
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13277
<b>API Well Number:</b> 608174102600	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9030 - 14460	<b>Water Depth:</b> 5373
<b>Public Info Code:</b> Y 30-DEC-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9030 / 9001	DEF AT first sample examined	POS AT 4
9270 / 9222	DEF AT -----	DEF AT 4
9330 / 9276	DEF AT local marker foram increase	DEF AT 4
9360 / 9303	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
9390 / 9329	DEF AT foram flood	DEF AT 4
9450 / 9382	DEF AT -----	DEF AT 5
9480 / 9409	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9540 / 9461	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9600 / 9511	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9720 / 9610	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9810 / 9682	DEF AT pyrite	DEF AT 5
9840 / 9705	DEF AT local marker foram decrease	DEF AT 5
9870 / 9728	DEF AT -----	POS AT 5
9900 / 9751	DEF AT -----	DEF AT 4
10170 / 9953	DEF AT local marker foram increase	DEF AT 4
10380 /10106	DEF AT -----	DEF AT 5
10410 /10127	DEF AT local marker foram decrease	DEF AT 5
10440 /10149	DEF AT -----	DEF AT 4
10530 /10214	DEF AT -----	POS AT 4
10560 /10236	DEF AT -----	DEF AT 4
10830 /10430	DEF AT local marker foram increase	DEF AT 4
11370 /10825	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 728	Date of Summary: 01-DEC-2003	First Sample Examined: 9030
Lease Number: G16644	Source of Paleo: OPERATOR	Borehole MD: 14448
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13277
API Well Number: 608174102600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 9030 - 14460	Water Depth: 5373
Public Info Code: Y 30-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11489 /10912	DEF AT local marker foram increase	DEF AT 4
11490 /10913	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
11640 /11023	DEF AT local marker foram increase	DEF AT 4
11670 /11045	DEF AT -----	DEF AT 5
11700 /11068	DEF AT -----	DEF AT 4
11730 /11090	DEF AT -----	DEF AT 5
11820 /11157	DEF AT -----	DEF AT 4
11880 /11203	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
11940 /11248	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11970 /11272	DEF AT -----	DEF AT 5
12000 /11295	DEF AT -----	POS AT 5
12030 /11318	DEF AT -----	DEF AT 4
12090 /11365	DEF AT local marker foram decrease	DEF AT 4
12180 /11436	DEF AT -----	DEF AT 5
12240 /11484	DEF AT -----	DEF AT 4
12300 /11532	DEF AT local marker foram decrease	POS AT 4
12450 /11653	DEF AT local marker foram increase	POS AT 4
12479 /11677	DEF AT foram flood	DEF AT 5
12480 /11677	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
12510 /11702	DEF AT local marker foram decrease	DEF AT 4
12630 /11798	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
12750 /11896	DEF AT -----	POS AT 4
12780 /11920	DEF AT -----	DEF AT 5
12810 /11944	DEF AT -----	POS AT 5

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 728	Date of Summary: 01-DEC-2003	First Sample Examined: 9030
Lease Number: G16644	Source of Paleo: OPERATOR	Borehole MD: 14448
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13277
API Well Number: 608174102600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 9030 - 14460	Water Depth: 5373
Public Info Code: Y 30-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12840 /11969	DEF AT -----	DEF AT 4
12930 /12042	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 4
12990 /12090	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
13050 /12139	DEF AT local marker foram decrease	DEF AT 4
13140 /12212	DEF AT local marker foram increase	DEF AT 4
13230 /12285	DEF AT local marker foram decrease	POS AT 4
13260 /12309	DEF AT local marker foram increase	DEF AT 4
13410 /12430	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
13500 /12502	DEF AT local marker foram decrease	POS AT 4
13590 /12575	DEF AT -----	DEF AT 4
13860 /12797	DEF AT -----	DEF AT 5
13890 /12822	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
13950 /12871	DEF AT -----	DEF AT 5
14040 /12944	DEF AT -----	DEF AT 4
14190 /13067	DEF AT -----	POS AT 4
14220 /13091	DEF AT local marker foram increase	DEF AT 4
14280 /13140	DEF AT -----	DEF AT 5
14340 /13189	DEF AT -----	DEF AT 4
14430 /13262	DEF AT -----	POS AT 4
14460 /	DEF AT last sample examined	POS AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 728	Date of Summary: 17-DEC-2003	First Sample Examined: 9030
Lease Number: G16644	Source of Paleo: OPERATOR	Borehole MD: 14448
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13277
API Well Number: 608174102600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 9030 - 14460	Water Depth: 5373
Public Info Code: Y 30-DEC-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9030 / 9001	DEF AT first sample examined	DEF AT
9360 / 9303	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9390 / 9329	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9450 / 9382	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9480 / 9409	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9509 / 9434	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9510 / 9435	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
9570 / 9486	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9600 / 9511	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9630 / 9536	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10230 / 9997	DEF AT local marker floral increase	DEF AT
10260 /10019	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10380 /10106	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10830 /10430	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10860 /10452	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
11340 /10803	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
11850 /11180	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12930 /12042	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13260 /12309	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13950 /12871	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14220 /13091	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
14430 /13262	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 17-MAY-2004	First Sample Examined: 13740
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 26520
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25885
API Well Number: 608174103700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 13740 - 26520	Water Depth: 5724
Public Info Code: Y 01-JUN-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 17730=Upper Miocene (Tortonian) Discoaster micros, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13740 /13737	DEF AT first sample examined	DEF AT
13741 /13738	DEF AT out-of-place section	DEF AT
13742 /13739	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14280 /14277	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16020 /16017	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17400 /17397	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17730 /17727	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
17970 /17967	DEF AT reworked material	DEF AT
19170 /19132	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20160 /20043	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22040 /21792	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22890 /22577	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23370 /23018	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23580 /23212	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23940 /23544	DEF AT local marker floral increase	DEF AT
25380 /24843	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25830 /25251	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25860 /25278	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
25920 /25333	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
26040 /25443	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
26070 /25471	POS AT Lower Oligocene (Rupelian) Calcidiscus reticulata	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 734	<b>Date of Summary:</b> 17-MAY-2004	<b>First Sample Examined:</b> 13740
<b>Lease Number:</b> G21778	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26520
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 25885
<b>API Well Number:</b> 608174103700	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13740 - 26520	<b>Water Depth:</b> 5724
<b>Public Info Code:</b> Y 01-JUN-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26071 /25472	POS AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT
26430 /25802	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26520 /25885	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 11-AUG-2004	First Sample Examined: 13600
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 26520
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 25885
API Well Number: 608174103700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 13600 - 26520	Water Depth: 5724
Public Info Code: Y 01-JUN-2014	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13600 /13597	DEF AT first sample examined	POS AT 6
13740 /13737	DEF AT - - - - -	DEF AT 6
13769 /13766	POS AT transported shelf fauna	POS AT 6
13770 /13767	POS IN Pliocene	POS AT 6
13800 /13797	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	POS AT 6
13920 /13917	DEF AT local marker foram decrease	POS AT 6
14340 /14337	DEF AT local marker foram increase	POS AT 6
14370 /14367	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
15030 /15027	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 6
15389 /15386	DEF AT transported outer shelf facies	DEF AT 6
15390 /15387	DEF AT local marker foram increase	DEF AT 6
15780 /15777	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 6
15930 /15927	DEF AT transported shelf fauna	POS AT 6
16020 /16017	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 6
16290 /16287	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 6
16500 /16497	DEF AT transported shelf fauna	DEF IN 6
17340 /17337	DEF AT transported shelf fauna	DEF IN 6
18060 /18057	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 6
18360 /18354	DEF AT transported shelf fauna	DEF IN 6
18900 /18877	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF IN 6
19140 /19104	DEF AT Arenaceous fauna (local marker)	DEF IN 6
19500 /19436	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 11-AUG-2004	First Sample Examined: 13600
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 26520
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 25885
API Well Number: 608174103700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 13600 - 26520	Water Depth: 5724
Public Info Code: Y 01-JUN-2014	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20070 /19960	DEF AT unconformity	DEF IN 6
20550 /20404	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF IN 6
21390 /21187	DEF AT local marker foram increase	DEF IN 6
21570 /21355	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 6
22650 /22356	DEF AT local marker foram increase	DEF IN 6
22800 /22494	DEF AT local marker foram increase	DEF IN 6
23100 /22770	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 6
23370 /23018	DEF AT deepwater facies Harang	DEF IN 6
23610 /23240	DEF AT reworked material	DEF IN 6
23970 /23571	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 7
24180 /23764	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 7
24510 /24062	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 7
24570 /24116	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 7
24830 /24350	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 7
26010 /25416	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 7
26040 /25443	DEF AT reworked material	DEF AT 7
26190 /25581	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 7
26360 /25738	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 7
26460 /25830	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 7
26520 /25885	DEF AT last sample examined	DEF AT 7

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 23-JUN-2004	First Sample Examined: 19560
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 24831
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23101
API Well Number: 608174103701	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 19560 - 24831	Water Depth: 5724
Public Info Code: Y 09-JUL-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19560 /19491	DEF AT first sample examined	DEF AT
19561 /19492	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20190 /20055	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20340 /20183	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22010 /21306	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22890 /21818	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22949 /21852	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22950 /21852	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24510 /22874	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24831 /23099	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 30-JUL-2004	First Sample Examined: 19560
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 24831
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 23101
API Well Number: 608174103701	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 19560 - 24831	Water Depth: 5724
Public Info Code: Y 09-JUL-2014	Ecozone Eq MMS:	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19560 /19491	DEF AT first sample examined	POS AT 6
19561 /19492	DEF AT Bathysiphon fauna	POS AT 6
19562 /19493	DEF AT Eggerella sp. (local marker)	POS AT 6
20040 /19924	POS IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
20370 /20208	DEF AT local marker deep water fauna	DEF IN 6
20489 /20305	POS AT transported shelf fauna	POS IN 6
20490 /20306	POS AT Middle Miocene (Serravallian) Bigenerina humblei	POS IN 6
20940 /20646	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS IN 6
22650 /21679	DEF AT local marker planktic foram increase	DEF IN 6
22830 /21783	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	POS AT 7
22950 /21852	DEF IN Middle Miocene (Serravallian) Cibicides opima	POS AT 7
23220 /22007	DEF AT local marker deep water fauna	POS AT 7
23400 /22118	DEF AT local marker benthic foram increase	DEF AT 7
23740 /22343	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 7
24390 /22791	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 7
24480 /22853	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 7
24599 /22936	DEF AT reworked material	DEF AT 7
24600 /22937	POS AT Oligocene	DEF AT 7
24831 /23099	DEF AT last sample examined	DEF AT 7

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 15-MAR-2005	First Sample Examined: 14070
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 23143
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21182
API Well Number: 608174105800	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 14070 - 23143	Water Depth: 5710
Public Info Code: Y 05-MAR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14070 /13999	DEF AT first sample examined	DEF AT
14130 /14052	DEF AT base of salt	POS AT 5
14490 /14353	DEF AT out-of-place section	DEF AT
14940 /14699	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15120 /14837	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15600 /15205	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15720 /15297	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15900 /15435	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
18360 /17354	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
19350 /18128	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
20610 /19111	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22950 /21018	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
23070 /21120	DEF AT out-of-place section	DEF AT
23143 /21182	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 734	<b>Date of Summary:</b> 15-MAR-2005	<b>First Sample Examined:</b> 14070
<b>Lease Number:</b> G21778	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23143
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21182
<b>API Well Number:</b> 608174105800	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14070 - 23143	<b>Water Depth:</b> 5710
<b>Public Info Code:</b> Y 05-MAR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14070 /13999	DEF AT first sample examined	DEF AT
14071 /14000	DEF IN salt	DEF AT
14130 /14052	DEF AT out-of-place section	DEF AT
14340 /14232	DEF AT out-of-place section	DEF AT
15030 /14768	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15210 /14906	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15900 /15435	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18330 /17331	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19350 /18128	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22170 /20358	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22920 /20993	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23040 /21094	DEF AT out-of-place section	DEF AT
23069 /21119	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23070 /21120	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23143 /21182	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 15-MAR-2005	First Sample Examined: 23100
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 24429
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22238
API Well Number: 608174105801	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 23100 - 24429	Water Depth: 5710
Public Info Code: Y 24-MAR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23100 /21132	DEF AT first sample examined	DEF AT 5
23160 /21182	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
23670 /21607	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
24429 /22238	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 734	<b>Date of Summary:</b> 15-MAR-2005	<b>First Sample Examined:</b> 23108
<b>Lease Number:</b> G21778	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24429
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22238
<b>API Well Number:</b> 608174105801	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 23108 - 24429	<b>Water Depth:</b> 5710
<b>Public Info Code:</b> Y 24-MAR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23108 /21139	DEF AT first sample examined	DEF AT
23109 /21140	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23640 /21582	DEF AT out-of-place section	DEF AT
24429 /22238	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 29-MAR-2006	First Sample Examined: 23813
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 28475
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26130
API Well Number: 608174105802	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 23813 - 28475	Water Depth: 5710
Public Info Code: Y 10-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23813 /21742	DEF AT first sample examined	DEF IN 5
23814 /21743	POS IN out-of-place section	DEF IN 5
24150 /22032	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
24180 /22057	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
24300 /22160	POS AT transported shelf fauna	DEF IN 5
24838 /22637	DEF AT out-of-place section	DEF IN 5
24839 /22637	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
24840 /22638	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
25230 /23002	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
25528 /23286	DEF AT out-of-place section	DEF IN 5
25529 /23287	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
25530 /23288	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 5
25559 /23316	DEF AT out-of-place section	DEF IN 5
25560 /23317	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 5
25770 /23518	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
26520 /24242	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
26550 /24271	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
26580 /24300	DEF AT transported shelf fauna	DEF IN 5
27210 /24909	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
27239 /24937	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 5
27240 /24938	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF IN 5
27749 /25430	POS AT out-of-place section	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 734	<b>Date of Summary:</b> 29-MAR-2006	<b>First Sample Examined:</b> 23813
<b>Lease Number:</b> G21778	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28475
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 26130
<b>API Well Number:</b> 608174105802	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 23813 - 28475	<b>Water Depth:</b> 5710
<b>Public Info Code:</b> Y 10-FEB-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27750 /25431	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
27778 /25458	POS AT out-of-place section	DEF IN 5
27779 /25459	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
27780 /25460	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
27809 /25488	POS AT out-of-place section	DEF IN 5
27810 /25489	POS AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 5
27839 /25517	DEF AT out-of-place section	DEF IN 5
27840 /25518	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 5
28475 /26130	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 734	Date of Summary: 23-MAY-2006	First Sample Examined: 15810
Lease Number: G21778	Source of Paleo: OPERATOR	Borehole MD: 21851
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19473
API Well Number: 608174105803	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 15810 - 21840	Water Depth: 5710
Public Info Code: Y 15-MAR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15810 /15366	DEF AT first sample examined	DEF AT 5
16890 /16111	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
18120 /16927	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18540 /17205	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
19260 /17683	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
19770 /18021	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 5
20729 /18658	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
20730 /18659	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
20940 /18798	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
21030 /18858	DEF AT out-of-place section	POS AT 5
21210 /18979	DEF AT limestone	POS AT 5
21570 /19246	DEF AT salt	DEF AT 5
21840 /19464	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 734	<b>Date of Summary:</b> 23-MAY-2006	<b>First Sample Examined:</b> 20207
<b>Lease Number:</b> G21778	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22864
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20604
<b>API Well Number:</b> 608174105804	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20207 - 22864	<b>Water Depth:</b> 5710
<b>Public Info Code:</b> Y 24-MAR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20207 /18312	DEF AT first sample examined	DEF AT 5
20208 /18312	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
21300 /19147	DEF AT out-of-place section	DEF AT 5
21360 /19202	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22470 /20235	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 5
22680 /20431	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
22864 /20603	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 736	Date of Summary: 21-SEP-2006	First Sample Examined: 9470
Lease Number: G16645	Source of Paleo: OPERATOR	Borehole MD: 16235
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14959
API Well Number: 608174109700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 9470 - 16230	Water Depth: 6108
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9470 / 9469	DEF AT first sample examined	DEF AT 5
9471 / 9470	DEF IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
9528 / 9527	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9529 / 9528	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9530 / 9529	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9978 / 9971	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
9979 / 9972	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
9980 / 9973	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10040 /10031	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
10100 /10089	DEF AT - - - - -	DEF AT 6
10190 /10174	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
10490 /10455	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
10879 /10799	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
10880 /10800	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
11180 /11052	DEF AT - - - - -	DEF AT 4
11390 /11225	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
11490 /11304	DEF AT - - - - -	DEF IN 5
11660 /11435	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
12090 /11766	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
12390 /11997	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
13080 /12529	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
13320 /12716	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 736	Date of Summary: 21-SEP-2006	First Sample Examined: 9470
Lease Number: G16645	Source of Paleo: OPERATOR	Borehole MD: 16235
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14959
API Well Number: 608174109700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 9470 - 16230	Water Depth: 6108
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13410 /12786	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
13890 /13155	DEF AT - - - - -	DEF AT 6
13980 /13225	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
14100 /13317	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
14160 /13363	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
14190 /13386	DEF AT - - - - -	DEF AT 4
14220 /13409	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
14969 /13985	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
14970 /13986	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
15990 /14770	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
16230 /14955	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 736	<b>Date of Summary:</b> 14-DEC-2006	<b>First Sample Examined:</b> 15600
<b>Lease Number:</b> G16645	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26774
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24924
<b>API Well Number:</b> 608174109701	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15600 - 26772	<b>Water Depth:</b> 6108
<b>Public Info Code:</b> Y 27-MAY-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15600 /14471	DEF AT first sample examined	DEF AT
15990 /14770	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
16110 /14860	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
16200 /14930	DEF AT - - - - -	DEF AT 5
17580 /15993	DEF AT - - - - -	DEF AT 4
17610 /16016	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
17670 /16062	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
18480 /16710	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 4
18720 /16923	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
18780 /16978	DEF AT - - - - -	DEF AT 5
18870 /17060	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
18930 /17116	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18960 /17144	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
19110 /17285	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
19710 /17872	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
19830 /17992	DEF AT out-of-place section	DEF AT 5
19860 /18022	DEF AT salt weld	DEF AT 5
19950 /18111	DEF AT - - - - -	DEF AT 6
19980 /18141	DEF AT salt weld	DEF AT 6
20190 /18351	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
20400 /18560	DEF AT - - - - -	DEF AT 5
24540 /22692	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 736	<b>Date of Summary:</b> 14-DEC-2006	<b>First Sample Examined:</b> 15600
<b>Lease Number:</b> G16645	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26774
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 24924
<b>API Well Number:</b> 608174109701	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15600 - 26772	<b>Water Depth:</b> 6108
<b>Public Info Code:</b> Y 27-MAY-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25110 /23262	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
26772 /24922	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 736	Date of Summary: 14-DEC-2006	First Sample Examined: 20550
Lease Number: G16645	Source of Paleo: OPERATOR	Borehole MD: 22814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20385
API Well Number: 608174109702	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 20550 - 22814	Water Depth: 6108
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20550 /18710	DEF AT first sample examined	DEF AT 5
20551 /18711	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
20552 /18712	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21180 /19319	DEF AT - - - - -	DEF IN 5
21390 /19500	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
21510 /19596	DEF AT - - - - -	DEF AT 5
21690 /19727	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
21779 /19786	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
21780 /19787	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
21870 /19842	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
21930 /19877	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
21960 /19894	DEF AT out-of-place section	DEF AT 5
22079 /19963	DEF AT out-of-place section	DEF AT 5
22080 /19963	POS AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
22230 /20050	POS IN Lower Miocene (Aquitainian) Globigerina angulisuturalis	DEF AT 5
22290 /20084	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22500 /20205	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
22740 /20342	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
22814 /20385	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 751	Date of Summary: 15-JAN-2003	First Sample Examined: 4070
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 10986
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10985
API Well Number: 608174100400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4070 - 10986	Water Depth: 1628
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4070 / 4070	DEF AT first sample examined	DEF AT 4
5900 / 5900	DEF AT sample gap top	POS AT 4
6350 / 6350	DEF AT sample gap bottom	DEF AT 5
7130 / 7130	DEF AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 5
8450 / 8450	DEF AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens</i> (acme "A")	DEF AT 5
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens</i> (acme "B")	DEF AT 5
10039 /10039	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia praehirsuta</i>	DEF AT 5
10040 /10040	POS AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 5
10130 /10130	DEF AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 5
10340 /10339	DEF AT Upper Pliocene (Piacenzian) <i>Sphaeroidinellopsis seminulina</i>	DEF AT 5
10986 /10985	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 751	Date of Summary: 15-JAN-2003	First Sample Examined: 4070
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 10986
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10985
API Well Number: 608174100400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 4070 - 10986	Water Depth: 1628
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4070 / 4070	DEF AT first sample examined	DEF AT
5900 / 5900	DEF AT sample gap top	DEF AT
6350 / 6350	DEF AT sample gap bottom	DEF AT
7910 / 7910	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8420 / 8420	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8960 / 8960	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10130 /10130	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10250 /10250	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10985 /10984	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 751	Date of Summary: 22-JAN-2003	First Sample Examined: 10820
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 14288
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14256
API Well Number: 608174100401	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 10820 - 14288	Water Depth: 1628
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10820 /10805	DEF AT first sample examined	DEF AT 5
11960 /11936	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12140 /12113	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12650 /12619	DEF AT faunal change (no faunal increase)	DEF AT 5
14288 /14256	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 751	<b>Date of Summary:</b> 23-JAN-2003	<b>First Sample Examined:</b> 10820
<b>Lease Number:</b> G22899	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14288
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14256
<b>API Well Number:</b> 608174100401	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10820 - 14288	<b>Water Depth:</b> 1628
<b>Public Info Code:</b> Y 09-APR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10820 /10805	DEF AT first sample examined	DEF AT
11510 /11492	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11990 /11965	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12140 /12113	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14060 /14028	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14288 /14256	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 751	Date of Summary: 13-FEB-2003	First Sample Examined: 10530
Lease Number: G33175	Source of Paleo: OPERATOR	Borehole MD: 13313
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13000
API Well Number: 608174100402	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 10530 - 13313	Water Depth: 1628
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10530 /10515	DEF AT first sample examined	DEF AT 5
11570 /11493	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12890 /12610	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13313 /13000	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 751	<b>Date of Summary:</b> 13-FEB-2003	<b>First Sample Examined:</b> 10530
<b>Lease Number:</b> G33175	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13313
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13000
<b>API Well Number:</b> 608174100402	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10530 - 13313	<b>Water Depth:</b> 1628
<b>Public Info Code:</b> Y 09-APR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10530 /10515	DEF AT first sample examined	DEF AT
11569 /11492	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11570 /11493	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12080 /11918	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12890 /12610	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13313 /13000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 755	Date of Summary: 01-JUN-2005	First Sample Examined: 5417
Lease Number: G24105	Source of Paleo: OPERATOR	Borehole MD: 15190
Well Name: SS002	Paleo Done By: OPERATOR	Borehole TVD: 15186
API Well Number: 608174106200	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 5417 - 15190	Water Depth: 2904
Public Info Code: Y 19-FEB-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report done by Morin Biostratigraphic Services, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5417 / 5417	DEF AT first sample examined	DEF AT
9810 / 9809	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10020 /10019	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13080 /13077	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13320 /13316	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
14580 /14576	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15120 /15116	DEF AT local marker floral increase	DEF AT
15190 /15186	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 755	Date of Summary: 01-JUN-2005	First Sample Examined: 5417
Lease Number: G24105	Source of Paleo: OPERATOR	Borehole MD: 15190
Well Name: SS002	Paleo Done By: OPERATOR	Borehole TVD: 15186
API Well Number: 608174106200	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 5417 - 15190	Water Depth: 2904
Public Info Code: Y 19-FEB-2014	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5417 / 5417	DEF AT first sample examined	DEF AT
6540 / 6540	DEF AT local marker foram increase	DEF AT
7650 / 7649	DEF AT sample gap top	DEF AT
9480 / 9479	DEF AT sample gap bottom	DEF AT
9780 / 9779	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9840 / 9839	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9900 / 9899	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
11280 /11279	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
11460 /11459	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
12720 /12717	DEF AT local marker foram increase	DEF AT
14580 /14576	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
15120 /15116	DEF AT local marker foram increase	DEF AT
15190 /15186	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 755	Date of Summary: 03-JUN-2005	First Sample Examined: 12000
Lease Number: G24105	Source of Paleo: OPERATOR	Borehole MD: 15555
Well Name: SS002	Paleo Done By: OPERATOR	Borehole TVD: 14973
API Well Number: 608174106201	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 12000 - 15555	Water Depth: 2904
Public Info Code: Y 19-FEB-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11998	DEF AT first sample examined	DEF AT 5
12090 /12088	DEF AT -----	POS AT 5
12300 /12298	DEF AT -----	DEF AT 5
12360 /12357	DEF AT -----	POS AT 5
12480 /12474	DEF AT -----	DEF AT 4
12510 /12503	DEF AT -----	DEF AT 5
12750 /12733	DEF AT local marker foram increase	DEF AT 5
13080 /13030	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
13110 /13056	DEF AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT 5
13260 /13182	DEF AT local marker foram increase	DEF AT 5
13380 /13279	DEF AT local marker foram increase	DEF AT 5
13500 /13373	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
13710 /13535	DEF AT -----	DEF AT 4
14040 /13788	DEF AT local marker foram increase	DEF AT 5
14100 /13835	DEF AT -----	DEF AT 4
14340 /14020	DEF AT local marker foram increase	DEF AT 4
14370 /14043	DEF AT -----	DEF AT 5
14400 /14066	DEF AT -----	POS AT 5
14640 /14252	DEF AT -----	DEF AT 4
14730 /14322	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
14850 /14416	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 755	<b>Date of Summary:</b> 03-JUN-2005	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G24105	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15555
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14973
<b>API Well Number:</b> 608174106201	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12000 - 15555	<b>Water Depth:</b> 2904
<b>Public Info Code:</b> Y 19-FEB-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14533	DEF AT local marker foram increase	DEF AT 5
15390 /14842	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
15480 /14914	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
15555 /14975	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 761	Date of Summary: 22-APR-2008	First Sample Examined: 12490
Lease Number: G28025	Source of Paleo: OPERATOR	Borehole MD: 21460
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21437
API Well Number: 608174114000	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 12490 - 21459	Water Depth: 3031
Public Info Code: Y 18-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12490 /12489	DEF AT first sample examined	DEF AT 5
12960 /12959	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
13109 /13108	POS AT maximum flooding surface	DEF AT 5
13110 /13109	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13139 /13138	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
13140 /13139	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
13769 /13767	POS AT maximum flooding surface	DEF IN 5
13770 /13768	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
13860 /13858	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
14489 /14487	POS AT maximum flooding surface	DEF IN 5
14490 /14488	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
14550 /14548	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
14699 /14697	POS AT maximum flooding surface	DEF IN 5
14700 /14698	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
15000 /14998	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
15989 /15986	POS AT maximum flooding surface	DEF IN 5
15990 /15987	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 5
16020 /16017	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
16140 /16137	DEF AT -----	DEF IN 5
16409 /16406	POS AT maximum flooding surface	DEF IN 5
16410 /16407	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF IN 5
16620 /16617	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 761  
Lease Number: G28025  
Well Name: 001  
API Well Number: 608174114000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 18-SEP-2016

Date of Summary: 22-APR-2008  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: LLOG EXPLORATION OFFSHORE LLC  
Sample Range: 12490 - 21459  
Ecozone Eq MMS: Y

First Sample Examined: 12490  
Borehole MD: 21460  
Borehole TVD: 21437  
Rkb Elevation: 86  
Water Depth: 3031  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17250 /17246	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
17280 /17276	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
17909 /17902	POS AT maximum flooding surface	DEF AT 5
17910 /17903	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
19680 /19658	POS AT maximum flooding surface	DEF AT 5
19920 /19897	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
20548 /20525	POS AT maximum flooding surface	DEF AT 5
20549 /20526	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
20550 /20527	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20609 /20586	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
20610 /20587	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
21459 /21436	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 761	Date of Summary: 06-FEB-2013	First Sample Examined: 17200
Lease Number: G28025	Source of Paleo: OPERATOR	Borehole MD: 22886
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20968
API Well Number: 608174114001	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 17200 - 22810	Water Depth: 3031
Public Info Code: Y 18-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17200 /17196	DEF AT first sample examined	DEF IN 5
17201 /17197	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF IN 5
17202 /17198	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
17710 /17695	DEF AT - - - - -	DEF AT 4
17950 /17920	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
18280 /18216	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
19030 /18738	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
20830 /19758	DEF AT - - - - -	DEF AT 4
21370 /20069	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
21520 /20157	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
21640 /20227	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
21670 /20244	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
21730 /20280	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
21880 /20367	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
21909 /20384	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
21910 /20385	POS IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
21970 /20420	DEF AT out-of-place section	DEF AT 5
22090 /20490	POS AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT 5
22240 /20578	DEF AT - - - - -	DEF AT 4
22810 /20918	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 761	<b>Date of Summary:</b> 06-FEB-2013	<b>First Sample Examined:</b> 22810
<b>Lease Number:</b> G28025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25775
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 23709
<b>API Well Number:</b> 608174114002	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 22810 - 25775	<b>Water Depth:</b> 3031
<b>Public Info Code:</b> Y 18-SEP-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22810 /21085	DEF AT first sample examined	DEF IN 4
23410 /21560	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
23499 /21632	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 4
23500 /21633	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
24070 /22105	DEF AT - - - - -	DEF AT 5
25775 /23709	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 762	Date of Summary: 01-MAR-2004	First Sample Examined: 20390
Lease Number: G07957	Source of Paleo: OPERATOR	Borehole MD: 24600
Well Name: 003	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 24596
API Well Number: 608174103300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 20390 - 24600	Water Depth: 3151
Public Info Code: Y 22-MAR-2014	Ecozone Eq MMS:	Paleo ID: 001

Remark: Anstey Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20390 /20388	DEF AT first sample examined	DEF AT
20455 /20453	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20500 /20498	DEF AT local marker floral increase	DEF AT
20620 /20618	DEF AT local marker floral decrease	DEF AT
20680 /20678	DEF AT local marker floral increase	DEF AT
20710 /20708	DEF AT local marker floral decrease	DEF AT
20830 /20828	DEF AT local marker floral increase	DEF AT
21280 /21278	DEF AT local marker floral decrease	DEF AT
21370 /21368	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21700 /21698	DEF AT local marker floral increase	DEF AT
21820 /21818	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21940 /21938	DEF AT local marker floral decrease	DEF AT
22060 /22058	DEF AT local marker floral increase	DEF AT
22270 /22268	DEF AT local marker floral decrease	DEF AT
22510 /22508	DEF AT local marker floral increase	DEF AT
22600 /22598	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22660 /22658	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
22720 /22718	DEF AT local marker floral decrease	DEF AT
22990 /22988	DEF AT local marker floral increase	DEF AT
23020 /23018	DEF AT local marker floral decrease	DEF AT
23028 /23026	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
23170 /23168	DEF AT local marker floral increase	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 762	Date of Summary: 01-MAR-2004	First Sample Examined: 20390
Lease Number: G07957	Source of Paleo: OPERATOR	Borehole MD: 24600
Well Name: 003	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 24596
API Well Number: 608174103300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 20390 - 24600	Water Depth: 3151
Public Info Code: Y 22-MAR-2014	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23260 /23258	DEF AT local marker floral decrease	DEF AT
23320 /23318	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23500 /23497	DEF AT local marker floral decrease	DEF AT
23560 /23557	DEF AT local marker floral increase	DEF AT
23680 /23677	DEF AT local marker floral decrease	DEF AT
23950 /23947	DEF AT local marker floral increase	DEF AT
24010 /24007	DEF AT local marker floral decrease	DEF AT
24070 /24067	DEF AT local marker floral increase	DEF AT
24220 /24217	DEF AT local marker floral decrease	DEF AT
24600 /24596	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 762	Date of Summary: 16-MAR-2004	First Sample Examined: 20370
Lease Number: G07957	Source of Paleo: OPERATOR	Borehole MD: 24600
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24596
API Well Number: 608174103300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 20370 - 24600	Water Depth: 3151
Public Info Code: Y 22-MAR-2014	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Anstey Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20370 /20368	DEF AT first sample examined	POS AT 5
20371 /20369	DEF AT turbid water facies	POS AT 5
20372 /20370	DEF AT Arenaceous fauna (local marker)	POS AT 5
20500 /20498	DEF AT pyrite	POS AT 5
20860 /20858	DEF AT transported outer shelf facies	POS AT 5
21100 /21098	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
21250 /21248	POS AT local marker planktic foram increase	DEF AT 5
21340 /21338	DEF AT Arenaceous fauna (local marker)	DEF AT 5
21399 /21397	DEF AT turbid water facies	POS AT 5
21400 /21398	POS AT Upper Miocene (Tortonian) Textularia "L"	POS AT 5
21700 /21698	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
21760 /21758	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
21820 /21818	POS AT condensed section	DEF AT 5
21999 /21997	DEF AT turbid water facies	POS AT 5
22000 /21998	DEF AT Bathysiphon fauna	POS AT 5
22090 /22088	DEF AT faunal change (no faunal increase)	DEF AT 5
22120 /22118	DEF AT local marker planktic foram increase	DEF AT 5
22149 /22147	POS AT sequence boundary	DEF AT 5
22150 /22148	DEF AT local marker planktic foram increase	DEF AT 5
22179 /22177	DEF AT turbid water facies	POS AT 5
22180 /22178	DEF AT Arenaceous fauna (local marker)	POS AT 5
22420 /22418	POS AT local marker planktic foram increase	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 762	Date of Summary: 16-MAR-2004	First Sample Examined: 20370
Lease Number: G07957	Source of Paleo: OPERATOR	Borehole MD: 24600
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24596
API Well Number: 608174103300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 20370 - 24600	Water Depth: 3151
Public Info Code: Y 22-MAR-2014	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22480 /22478	DEF AT turbid water facies	POS AT 5
22510 /22508	DEF AT faunal change (no faunal increase)	DEF AT 5
22540 /22538	POS AT local marker planktic foram increase	DEF AT 5
22660 /22658	POS AT maximum flooding surface	DEF AT 5
22690 /22688	DEF AT sequence boundary	DEF AT 5
22750 /22748	DEF AT turbid water facies	POS AT 5
22810 /22808	DEF AT faunal change (no faunal increase)	DEF AT 5
22840 /22838	DEF AT turbid water facies	POS AT 5
23079 /23077	DEF AT turbid water facies	POS AT 5
23080 /23078	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	POS AT 5
23140 /23138	DEF AT local marker planktic foram increase	POS AT 5
23170 /23168	POS AT sequence boundary	DEF AT 5
23319 /23317	DEF AT turbid water facies	POS AT 5
23320 /23318	DEF AT Arenaceous fauna (local marker)	POS AT 5
23410 /23408	DEF AT faunal change (no faunal increase)	DEF AT 5
23470 /23468	DEF AT pyrite	DEF AT 5
23500 /23497	DEF AT local marker benthic foram increase	DEF AT 5
23559 /23556	DEF AT turbid water facies	POS AT 5
23560 /23557	DEF AT Arenaceous fauna (local marker)	POS AT 5
23590 /23587	DEF AT Cyclammia sp. (local marker)	POS AT 5
23769 /23766	DEF AT turbid water facies	POS AT 5
23770 /23767	DEF AT Bathysiphon fauna	POS AT 5
23980 /23977	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
24100 /24097	DEF AT pyrite	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 762  
 Lease Number: G07957  
 Well Name: 003  
 API Well Number: 608174103300  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 22-MAR-2014

Date of Summary: 16-MAR-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 20370 - 24600  
 Ecozone Eq MMS: Y

First Sample Examined: 20370  
 Borehole MD: 24600  
 Borehole TVD: 24596  
 Rkb Elevation: 75  
 Water Depth: 3151  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24130 /24127	DEF AT Arenaceous fauna (local marker)	POS AT 5
24160 /24157	DEF AT faunal change (no faunal increase)	DEF AT 5
24249 /24245	DEF AT turbid water facies	POS AT 5
24250 /24246	DEF AT Arenaceous fauna (local marker)	POS AT 5
24370 /24366	DEF AT transported outer shelf facies	POS AT 5
24550 /24546	DEF AT drilling material	POS AT 5
24600 /24596	DEF AT last sample examined	POS AT 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 5340
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 17580	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: 8160=Globorotalia incisa acme

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5340	DEF AT first sample examined	POS AT 3
5430 / 5430	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
5580 / 5580	DEF AT local marker foram decrease	DEF AT 3
5640 / 5640	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
5820 / 5820	DEF AT local marker foram increase	DEF AT 6
5940 / 5940	DEF AT faunal change (no faunal increase)	DEF AT 5
6150 / 6150	DEF AT faunal change (no faunal increase)	DEF AT 4
6360 / 6360	DEF AT faunal change (no faunal increase)	DEF AT 5
6570 / 6570	DEF AT local marker foram increase	DEF AT 5
6990 / 6990	DEF AT local marker foram decrease	DEF AT 5
7140 / 7140	DEF AT faunal change (no faunal increase)	DEF AT 4
7470 / 7470	DEF AT local marker foram increase	DEF AT 5
7500 / 7500	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7920 / 7920	DEF AT faunal change (no faunal increase)	DEF AT 4
8040 / 8040	DEF AT local marker foram increase	DEF AT 6
8070 / 8070	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
8160 / 8160	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
8280 / 8280	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
8310 / 8310	DEF AT faunal change (no faunal increase)	DEF AT 6
8370 / 8370	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 6
8520 / 8520	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
8570 / 8570	DEF AT condensed section	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 764  
Lease Number: G08852  
Well Name: 004  
API Well Number: 608174058700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 18-MAR-2008

Date of Summary: 01-JUL-1998  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 5340 - 17580  
Ecozone Eq MMS: Y

First Sample Examined: 5340  
Borehole MD: 17580  
Borehole TVD: 17100  
Rkb Elevation: 82  
Water Depth: 3283  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8580 / 8580	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
8610 / 8610	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
8670 / 8670	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
9510 / 9510	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
9540 / 9540	POS AT reworked material	DEF AT 6
9541 / 9541	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9600 / 9600	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
10020 /10020	DEF AT faunal change (no faunal increase)	POS AT 6
10200 /10200	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
10230 /10230	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10560 /10559	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
10740 /10739	DEF AT faunal change (no faunal increase)	DEF AT 5
10860 /10859	DEF AT local marker foram increase	DEF AT 5
10890 /10889	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
11130 /11129	DEF AT transported outer shelf facies	DEF AT 4
11580 /11579	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
12300 /12292	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
12630 /12611	DEF AT faunal change (no faunal increase)	DEF AT 4
12690 /12669	DEF AT local marker foram decrease	DEF AT 4
12780 /12756	DEF AT faunal change (no faunal increase)	DEF AT 5
12900 /12870	DEF AT faunal change (no faunal increase)	DEF AT 4
14340 /14191	DEF AT local marker planktic foram increase	DEF AT 5
14400 /14244	DEF AT local marker planktic foram increase	DEF AT 5
14580 /14406	DEF AT transported outer shelf facies	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 764  
Lease Number: G08852  
Well Name: 004  
API Well Number: 608174058700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 18-MAR-2008

Date of Summary: 01-JUL-1998  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 5340 - 17580  
Ecozone Eq MMS: Y

First Sample Examined: 5340  
Borehole MD: 17580  
Borehole TVD: 17100  
Rkb Elevation: 82  
Water Depth: 3283  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14640 /14459	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
14700 /14513	DEF AT faunal change (no faunal increase)	DEF AT 5
14880 /14675	DEF AT local marker foram decrease	DEF AT 4
15120 /14891	POS IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
15480 /15216	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15780 /15489	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
16049 /15735	DEF AT foram flood	DEF AT 5
16050 /15736	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
16110 /15791	DEF AT faunal change (no faunal increase)	DEF AT 5
16410 /16064	DEF AT faunal change (no faunal increase)	DEF AT 4
16470 /16117	DEF AT Eggerella 3 (local marker)	DEF AT 4
16530 /16170	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
16770 /16380	DEF AT faunal change (no faunal increase)	DEF AT 5
16830 /16433	DEF AT foram flood	DEF AT 5
16980 /16564	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
17100 /16670	DEF AT Eggerella 3 (local marker)	DEF AT 4
17340 /16884	DEF AT faunal change (no faunal increase)	POS AT 4
17580 /17100	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 764	Date of Summary: 25-AUG-1998	First Sample Examined: 5430
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5430 - 14000	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 12600=Discoaster preberggrenii, 12800=assemblage A, 14000=assemblage B

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5430 / 5430	DEF AT first sample examined	DEF AT
5431 / 5431	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8340 / 8340	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8520 / 8520	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8580 / 8580	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9240 / 9240	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10260 /10259	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
10980 /10979	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12060 /12058	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
12600 /12583	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12700 /12679	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12800 /12775	DEF AT local marker floral increase	DEF AT
14000 /13886	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 15510
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 20796
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20098
API Well Number: 608174058701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15510 - 20796	Water Depth: 3283
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15510 /15016	DEF AT first sample examined	DEF AT 4
15511 /15016	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
15630 /15122	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15900 /15360	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
15930 /15387	DEF AT foram flood	DEF AT 5
15960 /15413	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 5
16080 /15521	DEF AT faunal change (no faunal increase)	DEF AT 4
16440 /15850	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
16830 /16216	DEF AT foram flood	DEF AT 5
17010 /16387	DEF AT faunal change (no faunal increase)	DEF AT 4
17190 /16560	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17730 /17083	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17789 /17141	DEF AT foram flood	DEF AT 5
17790 /17142	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
17880 /17230	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
18000 /17348	DEF AT faunal change (no faunal increase)	DEF AT 4
18550 /17889	DEF AT faunal change (no faunal increase)	POS AT 4
18660 /17997	DEF AT local marker foram increase	DEF AT 5
18720 /18057	DEF AT faunal change (no faunal increase)	DEF AT 4
18960 /18293	DEF IN Upper Miocene (Tortonian) Cyclamina 3	DEF AT 4
19230 /18558	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19350 /18676	DEF AT local marker planktic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 15510
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 20796
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20098
API Well Number: 608174058701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15510 - 20796	Water Depth: 3283
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19410 /18735	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19560 /18883	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
19561 /18884	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20490 /19797	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
20796 /20098	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 764	Date of Summary: 25-AUG-1998	First Sample Examined: 16000
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 20796
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 20098
API Well Number: 608174058701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16000 - 20500	Water Depth: 3283
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 16000=assemblage A, 16900=assemblage B, 20500=Reticulofenestra pseudoumbilica var G

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15449	DEF AT first sample examined	DEF AT
16001 /15450	DEF IN local marker floral increase	DEF AT
16900 /16283	DEF AT local marker floral increase	DEF AT
18480 /17820	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18960 /18293	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20500 /19807	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 765	Date of Summary: 18-JUN-2000	First Sample Examined: 13600
Lease Number: G12166	Source of Paleo: OPERATOR	Borehole MD: 21705
Well Name: PI002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18149
API Well Number: 608174088200	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 13600 - 21700	Water Depth: 3544
Public Info Code: Y 21-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Princess Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13600 /12867	DEF AT first sample examined	POS AT 4
13630 /12890	DEF AT -----	DEF AT 4
13660 /12913	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
14109 /13250	DEF AT faunal change (no faunal increase)	DEF AT 4
14110 /13251	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
15610 /14235	DEF AT reworked material	POS AT 4
15730 /14313	DEF AT -----	DEF AT 4
15910 /14430	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16240 /14643	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
17500 /15437	DEF AT local marker foram increase	DEF AT 4
17680 /15551	DEF AT -----	DEF IN 3
17890 /15685	DEF AT -----	DEF AT 4
17980 /15742	DEF AT -----	DEF IN 3
18160 /15857	DEF AT -----	DEF AT 4
18910 /16347	DEF AT local marker planktic foram increase	DEF AT 4
19450 /16703	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21400 /17950	DEF AT local marker planktic foram increase	DEF AT 4
21700 /18146	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 765	Date of Summary: 01-OCT-2000	First Sample Examined: 22370
Lease Number: G12166	Source of Paleo: OPERATOR	Borehole MD: 27156
Well Name: PI002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20895
API Well Number: 608174088203	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 22370 - 27120	Water Depth: 3544
Public Info Code: Y 05-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Princess Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22370 /18316	DEF AT first sample examined	POS AT 4
22470 /18378	DEF AT sand	POS AT 4
22620 /18466	DEF AT gray shale	POS AT 4
22680 /18500	DEF AT - - - - -	DEF AT 4
23220 /18776	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
23520 /18921	DEF AT faunal change (no faunal increase)	DEF AT 4
25140 /19718	POS AT reworked material	POS AT 4
25170 /19733	DEF AT gray shale	POS AT 4
25260 /19781	DEF AT - - - - -	DEF AT 4
25620 /19977	DEF AT faunal change (no faunal increase)	POS AT 4
25650 /19994	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
25830 /20094	DEF IN Upper Miocene (Tortonian) Discorbis 12	POS AT 4
25860 /20111	DEF AT - - - - -	DEF AT 4
27120 /20872	DEF AT last sample examined	DEF AT 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 765	Date of Summary: 01-MAY-2001	First Sample Examined: 22376
Lease Number: G12166	Source of Paleo: OPERATOR	Borehole MD: 27156
Well Name: PI002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 20895
API Well Number: 608174088203	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 22376 - 27120	Water Depth: 3544
Public Info Code: Y 05-OCT-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Princess Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22376 /18320	DEF AT first sample examined	DEF AT
22377 /18320	POS IN Upper Miocene (Tortonian) <i>Catinaster mexicanus</i>	DEF AT
22620 /18466	POS AT Upper Miocene (Tortonian) <i>Discoaster loeblichii</i>	DEF AT
22740 /18533	DEF AT Upper Miocene (Tortonian) <i>Minylitha convallis</i>	DEF AT
22830 /18582	POS AT Upper Miocene (Tortonian) <i>Discoaster bellus</i>	DEF AT
22890 /18614	DEF AT Upper Miocene (Tortonian) <i>Discoaster prepentaradiatus</i>	DEF AT
23430 /18878	DEF AT local marker floral increase	DEF AT
23490 /18907	DEF AT Upper Miocene (Tortonian) <i>Discoaster prepentaradiatus</i> (increase)	DEF AT
25110 /19703	DEF AT reworked material	DEF AT
25320 /19812	DEF AT reworked material	DEF AT
25650 /19994	POS AT Upper Miocene (Tortonian) <i>Discoaster bollii</i>	DEF AT
25710 /20027	DEF AT Upper Miocene (Tortonian) <i>Discoaster hamatus</i> (large)	DEF AT
26120 /20261	DEF AT reworked material	DEF AT
26400 /20428	DEF AT Upper Miocene (Tortonian) <i>Discoaster hamatus</i> (large)	DEF AT
26640 /20573	POS AT Upper Miocene (Tortonian) <i>Discoaster hamatus</i>	DEF AT
27120 /20872	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772	Date of Summary: 01-APR-1999	First Sample Examined: 8140
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 14445
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14441
API Well Number: 608174082300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 8140 - 14230	Water Depth: 5491
Public Info Code: Y 26-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7915 / 7913	DEF AT first sample examined	POS AT 5
8140 / 8138	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
8200 / 8198	DEF AT faunal change (no faunal increase)	DEF AT 6
8650 / 8647	DEF AT faunal change (no faunal increase)	DEF AT 5
8830 / 8827	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
9100 / 9097	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
9250 / 9247	DEF AT faunal change (no faunal increase)	DEF AT 6
9400 / 9397	DEF AT faunal change (no faunal increase)	DEF AT 5
9700 / 9697	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
9760 / 9757	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
9940 / 9937	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 6
10210 /10207	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
10240 /10237	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
10480 /10477	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
10630 /10627	DEF AT faunal change (no faunal increase)	DEF AT 5
11350 /11347	DEF AT faunal change (no faunal increase)	DEF AT 4
11530 /11527	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11770 /11767	DEF AT faunal change (no faunal increase)	DEF AT 5
11860 /11857	DEF AT faunal change (no faunal increase)	DEF AT 6
12040 /12037	DEF AT faunal change (no faunal increase)	DEF AT 5
12220 /12217	DEF AT faunal change (no faunal increase)	DEF AT 5
12310 /12307	DEF AT faunal change (no faunal increase)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772  
 Lease Number: G16647  
 Well Name: 001  
 API Well Number: 608174082300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 26-FEB-2009

Date of Summary: 01-APR-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 8140 - 14230  
 Ecozone Eq MMS: Y

First Sample Examined: 8140  
 Borehole MD: 14445  
 Borehole TVD: 14441  
 Rkb Elevation: 76  
 Water Depth: 5491  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12580 /12577	DEF AT faunal change (no faunal increase)	DEF AT 4
12610 /12607	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 4
12640 /12637	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13480 /13477	DEF AT faunal change (no faunal increase)	DEF AT 5
13750 /13746	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT 5
14230 /14226	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
14440 /14436	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772	Date of Summary: 27-SEP-1999	First Sample Examined: 12290
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 18160
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18155
API Well Number: 608174082301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 12290 - 18170	Water Depth: 5567
Public Info Code: Y 31-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12290 /12287	DEF AT first sample examined	DEF AT 5
12590 /12586	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 5
13700 /13696	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT 5
14450 /14446	DEF AT faunal change (no faunal increase)	DEF AT 4
14560 /14556	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14800 /14796	DEF AT faunal change (no faunal increase)	DEF AT 5
15110 /15106	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
15230 /15226	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
15470 /15466	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15530 /15526	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
15650 /15646	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
16280 /16275	DEF AT faunal change (no faunal increase)	DEF AT 5
16400 /16395	DEF AT faunal change (no faunal increase)	DEF AT 4
16520 /16515	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT 4
16640 /16635	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 4
16700 /16695	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
16730 /16725	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
17270 /17265	DEF AT faunal change (no faunal increase)	DEF AT 5
17450 /17445	DEF AT faunal change (no faunal increase)	DEF AT 4
18170 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772	Date of Summary: 01-FEB-2004	First Sample Examined: 9030
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 9939
Well Name: 005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9933
API Well Number: 608174102400	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 9030 - 9900	Water Depth: 5413
Public Info Code: Y 25-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9030 / 9024	DEF AT first sample examined	POS AT 4
9150 / 9144	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS AT 4
9180 / 9174	POS AT reworked material	POS AT 4
9420 / 9414	DEF AT local marker foram increase	DEF AT 4
9450 / 9444	DEF AT faunal change (no faunal increase)	POS AT 4
9540 / 9534	DEF AT local marker foram increase	DEF AT 4
9570 / 9564	DEF AT faunal change (no faunal increase)	POS AT 4
9660 / 9654	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
9690 / 9684	DEF AT foram flood	DEF AT 5
9750 / 9744	DEF AT faunal change (no faunal increase)	DEF AT 4
9840 / 9834	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 4
9870 / 9864	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
9900 / 9894	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 772	<b>Date of Summary:</b> 08-FEB-2004	<b>First Sample Examined:</b> 9030
<b>Lease Number:</b> G16647	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9939
<b>Well Name:</b> 005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 9933
<b>API Well Number:</b> 608174102400	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9030 - 9900	<b>Water Depth:</b> 5413
<b>Public Info Code:</b> Y 25-DEC-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9030 / 9024	DEF AT first sample examined	DEF AT
9420 / 9414	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
9660 / 9654	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9810 / 9804	POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9900 / 9894	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772	Date of Summary: 01-FEB-2004	First Sample Examined: 9006
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 14425
Well Name: 005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14097
API Well Number: 608174102401	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 9006 - 14425	Water Depth: 5413
Public Info Code: Y 28-FEB-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
9006 / 9000	DEF AT first sample examined	POS	AT	4
9180 / 9174	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS	AT	4
9270 / 9263	DEF AT faunal change (no faunal increase)	DEF	AT	4
9480 / 9470	DEF AT faunal change (no faunal increase)	POS	AT	4
9510 / 9500	DEF AT local marker foram decrease	POS	AT	4
9660 / 9646	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS	AT	4
9690 / 9676	DEF AT foram flood	DEF	AT	4
9720 / 9705	DEF AT local marker foram decrease	DEF	AT	5
9750 / 9734	DEF AT faunal change (no faunal increase)	DEF	AT	4
9780 / 9763	DEF AT local marker foram increase	DEF	AT	4
9810 / 9792	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	4
9840 / 9821	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
9870 / 9850	DEF AT foram flood	DEF	AT	5
9900 / 9880	DEF AT local marker foram decrease	DEF	AT	5
9960 / 9938	DEF AT faunal change (no faunal increase)	DEF	AT	4
10080 /10057	DEF AT local marker foram increase	DEF	AT	4
10319 /10294	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	4
10320 /10295	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	4
10350 /10325	DEF AT faunal change (no faunal increase)	DEF	AT	5
10380 /10355	DEF AT faunal change (no faunal increase)	DEF	AT	4
10440 /10415	DEF AT local marker foram increase	DEF	AT	4
10500 /10475	DEF AT faunal change (no faunal increase)	POS	AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772  
Lease Number: G16647  
Well Name: 005  
API Well Number: 608174102401  
Paleo Report Num: 1 of 2  
Public Info Code: Y 28-FEB-2014

Date of Summary: 01-FEB-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
Sample Range: 9006 - 14425  
Ecozone Eq MMS: Y

First Sample Examined: 9006  
Borehole MD: 14425  
Borehole TVD: 14097  
Rkb Elevation: 85  
Water Depth: 5413  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10710 /10685	DEF AT faunal change (no faunal increase)	DEF AT 4
10980 /10955	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
10981 /10956	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
11010 /10985	DEF AT faunal change (no faunal increase)	DEF AT 5
11040 /11015	DEF AT faunal change (no faunal increase)	DEF AT 4
11370 /11345	DEF AT faunal change (no faunal increase)	POS AT 4
11430 /11405	DEF AT local marker foram decrease	POS AT 4
11520 /11495	DEF AT faunal change (no faunal increase)	DEF AT 4
11550 /11525	DEF AT faunal change (no faunal increase)	POS AT 4
11610 /11585	DEF AT local marker foram increase	POS AT 4
11670 /11645	DEF AT faunal change (no faunal increase)	DEF AT 4
11700 /11675	DEF AT local marker foram increase	DEF AT 4
11790 /11765	DEF AT faunal change (no faunal increase)	POS AT 4
11820 /11795	DEF AT faunal change (no faunal increase)	DEF AT 4
11880 /11855	DEF AT faunal change (no faunal increase)	POS AT 4
11910 /11885	DEF AT local marker foram increase	DEF AT 4
11940 /11915	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
11970 /11945	DEF AT faunal change (no faunal increase)	POS AT 4
12030 /12005	DEF AT faunal change (no faunal increase)	DEF AT 4
12060 /12035	DEF AT faunal change (no faunal increase)	POS AT 4
12090 /12065	DEF AT faunal change (no faunal increase)	DEF AT 5
12120 /12095	DEF AT faunal change (no faunal increase)	POS AT 5
12150 /12125	DEF AT faunal change (no faunal increase)	DEF AT 4
12180 /12155	DEF AT faunal change (no faunal increase)	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772  
Lease Number: G16647  
Well Name: 005  
API Well Number: 608174102401  
Paleo Report Num: 1 of 2  
Public Info Code: Y 28-FEB-2014

Date of Summary: 01-FEB-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
Sample Range: 9006 - 14425  
Ecozone Eq MMS: Y

First Sample Examined: 9006  
Borehole MD: 14425  
Borehole TVD: 14097  
Rkb Elevation: 85  
Water Depth: 5413  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12210 /12185	DEF AT faunal change (no faunal increase)	DEF AT 4
12240 /12215	DEF AT faunal change (no faunal increase)	POS AT 4
12300 /12275	DEF AT faunal change (no faunal increase)	DEF AT 4
12330 /12305	DEF AT faunal change (no faunal increase)	POS AT 4
12480 /12453	DEF AT faunal change (no faunal increase)	DEF AT 4
12570 /12541	DEF AT faunal change (no faunal increase)	POS AT 4
12630 /12599	DEF AT faunal change (no faunal increase)	DEF AT 4
12690 /12657	DEF AT faunal change (no faunal increase)	POS AT 4
12720 /12686	DEF AT faunal change (no faunal increase)	DEF AT 4
12750 /12715	DEF AT faunal change (no faunal increase)	POS AT 4
12840 /12801	DEF AT faunal change (no faunal increase)	DEF AT 4
12930 /12887	DEF AT faunal change (no faunal increase)	POS AT 4
13110 /13055	DEF AT faunal change (no faunal increase)	DEF AT 4
13140 /13082	DEF AT faunal change (no faunal increase)	POS AT 4
13200 /13137	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
13230 /13163	DEF AT faunal change (no faunal increase)	POS AT 4
13260 /13190	DEF AT faunal change (no faunal increase)	DEF AT 4
13290 /13216	DEF AT faunal change (no faunal increase)	POS AT 4
13350 /13268	DEF AT local marker foram increase	DEF AT 4
13410 /13318	DEF AT local marker foram increase	DEF AT 4
13440 /13343	DEF AT faunal change (no faunal increase)	POS AT 4
13470 /13368	DEF AT faunal change (no faunal increase)	DEF AT 5
13500 /13393	DEF AT faunal change (no faunal increase)	DEF AT 4
13530 /13418	DEF AT faunal change (no faunal increase)	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 772	<b>Date of Summary:</b> 01-FEB-2004	<b>First Sample Examined:</b> 9006
<b>Lease Number:</b> G16647	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14425
<b>Well Name:</b> 005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14097
<b>API Well Number:</b> 608174102401	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9006 - 14425	<b>Water Depth:</b> 5413
<b>Public Info Code:</b> Y 28-FEB-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13590 /13469	DEF AT faunal change (no faunal increase)	DEF AT 4
13620 /13494	DEF AT faunal change (no faunal increase)	POS AT 4
13650 /13519	DEF AT faunal change (no faunal increase)	DEF AT 4
13680 /13544	DEF AT faunal change (no faunal increase)	POS AT 4
13740 /13593	DEF AT faunal change (no faunal increase)	DEF AT 4
13770 /13617	DEF AT faunal change (no faunal increase)	POS AT 4
14040 /13827	DEF AT faunal change (no faunal increase)	DEF AT 4
14070 /13849	DEF AT faunal change (no faunal increase)	POS AT 4
14425 /14097	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 772	<b>Date of Summary:</b> 08-FEB-2004	<b>First Sample Examined:</b> 9930
<b>Lease Number:</b> G16647	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14425
<b>Well Name:</b> 005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14097
<b>API Well Number:</b> 608174102401	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9930 - 14425	<b>Water Depth:</b> 5413
<b>Public Info Code:</b> Y 28-FEB-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9930 / 9909	DEF AT first sample examined	DEF AT
10110 /10086	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10320 /10295	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10770 /10745	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11040 /11015	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
11100 /11075	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12030 /12005	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
12270 /12245	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
13350 /13268	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13380 /13293	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14370 /14059	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
14425 /14097	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772	Date of Summary: 01-FEB-2004	First Sample Examined: 13758
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 15853
Well Name: 005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15089
API Well Number: 608174102402	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13758 - 15840	Water Depth: 5413
Public Info Code: Y 01-MAR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
13758 /13608	DEF AT first sample examined	POS	AT	4
13800 /13643	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS	AT	4
14010 /13812	DEF AT local marker foram increase	DEF	AT	4
14040 /13836	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
14130 /13904	DEF AT faunal change (no faunal increase)	POS	AT	4
14160 /13926	DEF AT faunal change (no faunal increase)	DEF	AT	4
14190 /13948	DEF AT faunal change (no faunal increase)	POS	AT	4
14309 /14032	DEF AT Upper Miocene (Tortonian) Globorotalia lenguaensis	POS	AT	4
14310 /14033	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	POS	AT	4
14340 /14054	DEF AT faunal change (no faunal increase)	DEF	AT	4
14550 /14199	DEF AT faunal change (no faunal increase)	POS	AT	4
14580 /14220	DEF AT faunal change (no faunal increase)	DEF	AT	4
14640 /14262	DEF AT faunal change (no faunal increase)	POS	AT	4
14670 /14283	DEF AT faunal change (no faunal increase)	DEF	AT	4
14760 /14345	DEF AT faunal change (no faunal increase)	POS	AT	4
14850 /14407	DEF AT faunal change (no faunal increase)	DEF	AT	4
14880 /14428	DEF AT faunal change (no faunal increase)	POS	AT	4
14910 /14449	DEF AT local marker foram increase	DEF	AT	4
14940 /14469	DEF AT faunal change (no faunal increase)	POS	AT	4
15720 /15001	DEF AT siltstone	POS	AT	4
15750 /15021	DEF AT faunal change (no faunal increase)	DEF	AT	4
15780 /15041	DEF AT local marker foram increase	DEF	AT	4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772	Date of Summary: 01-FEB-2004	First Sample Examined: 13758
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 15853
Well Name: 005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15089
API Well Number: 608174102402	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13758 - 15840	Water Depth: 5413
Public Info Code: Y 01-MAR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15840 /15080	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 772	<b>Date of Summary:</b> 08-FEB-2004	<b>First Sample Examined:</b> 14430
<b>Lease Number:</b> G16647	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15853
<b>Well Name:</b> 005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15089
<b>API Well Number:</b> 608174102402	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14430 - 15852	<b>Water Depth:</b> 5413
<b>Public Info Code:</b> Y 01-MAR-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14430 /14116	DEF AT first sample examined	DEF AT
14520 /14178	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14550 /14199	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14730 /14324	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14940 /14469	DEF AT local marker floral increase	DEF AT
15852 /15088	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772  
Lease Number: G24107  
Well Name: 005  
API Well Number: 608174102403  
Paleo Report Num: 1 of 2  
Public Info Code: Y 24-MAR-2014

Date of Summary: 01-MAR-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
Sample Range: 13470 - 19710  
Ecozone Eq MMS: Y

First Sample Examined: 13470  
Borehole MD: 19729  
Borehole TVD: 15245  
Rkb Elevation: 85  
Water Depth: 5413  
Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13470 /13368	DEF AT first sample examined	DEF AT 4
13559 /13442	DEF AT local marker foram decrease	DEF AT 4
13560 /13443	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
13860 /13674	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
14040 /13799	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
14400 /14020	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
14550 /14100	DEF AT local marker foram decrease	DEF AT 4
14730 /14186	DEF AT local marker foram increase	DEF AT 4
14880 /14248	DEF AT local marker foram increase	DEF AT 4
15000 /14291	DEF AT local marker foram decrease	DEF AT 4
15150 /14336	DEF AT local marker foram increase	DEF AT 4
15240 /14357	DEF AT local marker foram decrease	DEF AT 4
15780 /14459	DEF AT local marker foram increase	DEF AT 4
15870 /14477	DEF AT local marker foram increase	DEF AT 4
15930 /14488	DEF AT local marker foram decrease	DEF AT 4
16500 /14583	DEF AT local marker foram increase	DEF AT 4
16860 /14639	DEF AT local marker foram decrease	DEF AT 4
16980 /14647	DEF AT local marker foram increase	DEF AT 4
17100 /14651	DEF AT local marker foram decrease	DEF AT 4
17160 /14655	DEF AT local marker foram increase	DEF AT 4
18000 /14848	DEF AT local marker foram increase	DEF AT 4
18690 /14987	DEF AT local marker foram increase	DEF AT 4

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 772	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 13470
<b>Lease Number:</b> G24107	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19729
<b>Well Name:</b> 005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15245
<b>API Well Number:</b> 608174102403	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13470 - 19710	<b>Water Depth:</b> 5413
<b>Public Info Code:</b> Y 24-MAR-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19430 /15155	DEF AT local marker foram increase	DEF AT 4
19470 /15166	DEF AT local marker foram increase	DEF AT 4
19650 /15221	DEF AT local marker foram increase	DEF AT 4
19710 /15240	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 772	Date of Summary: 09-MAR-2004	First Sample Examined: 13470
Lease Number: G24107	Source of Paleo: OPERATOR	Borehole MD: 19729
Well Name: 005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15245
API Well Number: 608174102403	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 13470 - 19710	Water Depth: 5413
Public Info Code: Y 24-MAR-2014	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13470 /13368	DEF AT first sample examined	DEF AT
13500 /13393	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14310 /13969	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14790 /14212	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14970 /14280	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15210 /14351	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15930 /14488	DEF AT local marker floral increase	DEF AT
19710 /15240	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 773	Date of Summary: 29-APR-2002	First Sample Examined: 8676
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 17722
Well Name: A008	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14855
API Well Number: 608174096000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8676 - 17720	Water Depth: 5610
Public Info Code: Y 14-APR-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8676 / 8668	DEF AT first sample examined	DEF AT
8730 / 8721	DEF AT local marker floral increase	DEF AT
8790 / 8779	DEF AT local marker floral increase	DEF AT
10080 / 9834	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11280 /10630	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11340 /10670	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11430 /10729	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11490 /10769	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11550 /10808	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11990 /11093	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12170 /11203	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13220 /11865	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13640 /12157	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13670 /12178	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13910 /12350	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
14270 /12603	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15590 /13498	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16130 /13839	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
17720 /14854	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 773	<b>Date of Summary:</b> 01-MAY-2002	<b>First Sample Examined:</b> 8670
<b>Lease Number:</b> G16647	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17722
<b>Well Name:</b> A008	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14855
<b>API Well Number:</b> 608174096000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8670 - 17720	<b>Water Depth:</b> 5610
<b>Public Info Code:</b> Y 14-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
8700 / 8692	DEF AT first sample examined	POS AT	4
8730 / 8721	DEF AT faunal change (no faunal increase)	DEF AT	4
8850 / 8838	DEF AT faunal change (no faunal increase)	DEF AT	5
8880 / 8866	DEF AT faunal change (no faunal increase)	DEF AT	4
9000 / 8980	DEF AT faunal change (no faunal increase)	DEF AT	5
9030 / 9008	DEF AT faunal change (no faunal increase)	POS AT	4
9180 / 9145	DEF AT faunal change (no faunal increase)	DEF AT	4
10020 / 9793	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT	4
10110 / 9854	DEF AT faunal change (no faunal increase)	DEF AT	5
10140 / 9874	DEF AT faunal change (no faunal increase)	DEF AT	4
10200 / 9915	DEF AT faunal change (no faunal increase)	DEF AT	5
10230 / 9935	DEF AT faunal change (no faunal increase)	DEF AT	4
10260 / 9955	DEF AT local marker foram increase	DEF AT	4
10320 / 9995	DEF AT local marker foram decrease	DEF AT	4
10500 /10115	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT	4
10590 /10175	DEF AT local marker foram decrease	DEF AT	4
10620 /10195	DEF AT local marker foram increase	DEF AT	5
10670 /10228	POS AT reworked material	DEF AT	5
10680 /10234	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT	4
10710 /10254	DEF AT sand	DEF AT	4
10830 /10333	DEF AT sand	DEF AT	5
10890 /10373	DEF AT faunal change (no faunal increase)	DEF AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 773	Date of Summary: 01-MAY-2002	First Sample Examined: 8670
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 17722
Well Name: A008	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14855
API Well Number: 608174096000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8670 - 17720	Water Depth: 5610
Public Info Code: Y 14-APR-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10920 /10392	DEF AT faunal change (no faunal increase)	DEF AT 5
10950 /10412	DEF AT faunal change (no faunal increase)	DEF AT 4
11040 /10472	DEF AT faunal change (no faunal increase)	DEF AT 5
11100 /10511	DEF AT faunal change (no faunal increase)	DEF AT 4
11190 /10571	DEF AT local marker foram decrease	POS AT 4
11250 /10610	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11310 /10650	DEF AT faunal change (no faunal increase)	DEF AT 4
11520 /10788	DEF AT faunal change (no faunal increase)	DEF AT 5
11580 /10828	DEF AT faunal change (no faunal increase)	DEF AT 4
11640 /10867	DEF AT faunal change (no faunal increase)	DEF AT 5
11690 /10900	DEF AT sand	DEF AT 5
11720 /10919	DEF AT reworked material	DEF AT 4
11870 /11017	DEF AT faunal change (no faunal increase)	DEF AT 4
12260 /11258	DEF AT sand	DEF AT 4
12290 /11276	DEF AT faunal change (no faunal increase)	DEF AT 5
12350 /11312	DEF AT faunal change (no faunal increase)	DEF AT 4
12380 /11330	DEF AT faunal change (no faunal increase)	DEF AT 5
12410 /11348	DEF AT faunal change (no faunal increase)	DEF AT 4
12650 /11494	DEF AT faunal change (no faunal increase)	DEF AT 5
12710 /11531	DEF AT faunal change (no faunal increase)	DEF AT 4
13700 /12200	DEF AT local marker foram increase	DEF AT 4
13730 /12221	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
13760 /12242	DEF AT faunal change (no faunal increase)	DEF AT 5
13820 /12286	DEF AT faunal change (no faunal increase)	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 773	<b>Date of Summary:</b> 01-MAY-2002	<b>First Sample Examined:</b> 8670
<b>Lease Number:</b> G16647	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17722
<b>Well Name:</b> A008	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14855
<b>API Well Number:</b> 608174096000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8670 - 17720	<b>Water Depth:</b> 5610
<b>Public Info Code:</b> Y 14-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13880 /12329	DEF AT faunal change (no faunal increase)	DEF AT 5
13910 /12350	DEF AT reworked material	DEF AT 5
13940 /12372	DEF AT faunal change (no faunal increase)	DEF AT 4
14180 /12541	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
14210 /12562	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
14240 /12583	DEF AT faunal change (no faunal increase)	DEF AT 5
14270 /12603	DEF AT faunal change (no faunal increase)	DEF AT 4
14630 /12849	DEF AT local marker foram increase	DEF AT 5
14750 /12932	DEF AT faunal change (no faunal increase)	DEF AT 4
15170 /13220	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	POS AT 4
15230 /13260	DEF AT faunal change (no faunal increase)	DEF AT 4
15590 /13498	DEF AT local marker foram increase	DEF AT 4
15680 /13557	DEF AT foram flood	DEF AT 4
16400 /14009	DEF AT local marker foram increase	DEF AT 4
16550 /14104	DEF AT local marker foram decrease	POS AT 4
16580 /14122	DEF AT faunal change (no faunal increase)	DEF AT 4
16700 /14197	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16790 /14254	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
16820 /14272	DEF AT faunal change (no faunal increase)	DEF AT 4
16850 /14291	DEF AT faunal change (no faunal increase)	DEF AT 5
16880 /14310	DEF AT faunal change (no faunal increase)	DEF AT 4
17330 /14598	DEF AT faunal change (no faunal increase)	DEF AT 5
17420 /14656	DEF AT faunal change (no faunal increase)	DEF AT 4
17660 /14814	DEF AT last sample examined	DEF AT 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 773	Date of Summary: 11-JUL-2000	First Sample Examined: 0
Lease Number: G19996	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15000
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 14334
API Well Number: 608174088700	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 63
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 5595
Public Info Code: Y 04-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9600 / 9598	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
9601 / 9599	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10260 /10230	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
10320 /10285	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10440 /10392	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10500 /10445	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10740 /10650	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10800 /10701	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12120 /11826	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
13176 /12724	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14026 /13455	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 773  
 Lease Number: G19996  
 Well Name: 003  
 API Well Number: 608174088701  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 03-AUG-2010

Date of Summary: 07-AUG-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MARINER ENERGY INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13352  
 Borehole TVD: 13325  
 Rkb Elevation: 63  
 Water Depth: 5595  
 Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10060 /10052	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10180 /10170	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10240 /10230	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10360 /10349	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10420 /10409	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10480 /10469	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11920 /11898	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12250 /12228	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12400 /12377	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12940 /12916	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13180 /13154	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 773	<b>Date of Summary:</b> 28-JAN-2002	<b>First Sample Examined:</b> 10210
<b>Lease Number:</b> G19996	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12414
<b>Well Name:</b> 007	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12002
<b>API Well Number:</b> 608174095800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10210 - 12400	<b>Water Depth:</b> 5610
<b>Public Info Code:</b> Y 17-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
10180 /10022	DEF AT first sample examined	DEF	AT
10210 /10047	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	AT 4
10300 /10122	DEF AT local marker foram decrease	POS	AT 4
10360 /10171	DEF AT faunal change (no faunal increase)	DEF	AT 4
10450 /10247	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT 4
10570 /10348	DEF AT faunal change (no faunal increase)	DEF	AT 5
10600 /10373	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT 5
10660 /10424	DEF AT local marker foram decrease	DEF	AT 4
10719 /10473	POS AT reworked material	DEF	AT 5
10720 /10474	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT 5
10750 /10498	DEF AT faunal change (no faunal increase)	DEF	AT 4
10960 /10671	DEF AT local marker foram decrease	DEF	AT 4
11140 /10819	DEF AT local marker foram decrease	DEF	AT 4
11740 /11352	DEF AT local marker foram increase	DEF	AT 4
11860 /11465	DEF AT faunal change (no faunal increase)	POS	AT 4
11890 /11494	DEF AT faunal change (no faunal increase)	DEF	AT 4
11920 /11522	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT 4
11980 /11580	DEF AT faunal change (no faunal increase)	DEF	AT 5
12100 /11696	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT 5
12400 /11988	DEF AT last sample examined	DEF	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 773	Date of Summary: 29-APR-2002	First Sample Examined: 20180
Lease Number: G19996	Source of Paleo: OPERATOR	Borehole MD: 12414
Well Name: 007	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12002
API Well Number: 608174095800	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 10180 - 12400	Water Depth: 5610
Public Info Code: Y 17-FEB-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10180 /10022	DEF AT first sample examined	DEF AT
10450 /10247	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10510 /10297	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10570 /10348	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10630 /10398	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10660 /10424	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11770 /11380	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11950 /11551	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
12100 /11696	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12310 /11901	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12400 /11988	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 773	Date of Summary: 29-MAR-2000	First Sample Examined: 8650
Lease Number: G19996	Source of Paleo: OPERATOR	Borehole MD: 15625
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14665
API Well Number: 608174086400	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8650 - 15550	Water Depth: 5610
Public Info Code: Y 12-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 12880=base of Discoaster asymmetricus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8650 / 8649	DEF AT first sample examined	DEF AT 4
8740 / 8739	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT 4
9700 / 9693	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 4
9790 / 9781	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
9820 / 9811	DEF AT - - - - -	DEF AT 5
9850 / 9840	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT 5
10450 /10398	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
10480 /10424	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
10510 /10450	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
10600 /10529	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10601 /10529	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
10660 /10580	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10690 /10606	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
10720 /10632	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
11110 /10962	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11650 /11407	DEF AT sample gap top	POS AT 5
11740 /11481	DEF AT sample gap bottom	DEF AT 5
12490 /12098	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12550 /12148	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
12880 /12420	DEF AT local marker floral increase	DEF AT 5
13270 /12741	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
13450 /12889	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 773	<b>Date of Summary:</b> 29-MAR-2000	<b>First Sample Examined:</b> 8650
<b>Lease Number:</b> G19996	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15625
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14665
<b>API Well Number:</b> 608174086400	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8650 - 15550	<b>Water Depth:</b> 5610
<b>Public Info Code:</b> Y 12-JAN-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13510 /12938	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
14080 /13398	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
14800 /13973	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
15520 /14572	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 773	<b>Date of Summary:</b> 14-MAY-2001	<b>First Sample Examined:</b> 8630
<b>Lease Number:</b> G19996	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13836
<b>Well Name:</b> A003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12987
<b>API Well Number:</b> 608174092100	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8630 - 13840	<b>Water Depth:</b> 5610
<b>Public Info Code:</b> Y 01-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Devils Tower Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
8630 / 8628	DEF AT first sample examined	POS	AT	5
8750 / 8748	DEF AT local marker foram increase	DEF	AT	5
8930 / 8928	DEF AT -----	DEF	AT	4
9650 / 9648	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
9680 / 9678	DEF AT local marker foram increase	DEF	AT	5
9740 / 9738	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF	AT	5
9770 / 9768	DEF AT -----	DEF	AT	4
9949 / 9947	POS AT reworked material	POS	AT	4
9950 / 9948	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	POS	AT	4
9980 / 9978	DEF AT -----	DEF	AT	4
10010 /10008	DEF AT -----	DEF	AT	5
10040 /10038	DEF AT -----	DEF	AT	4
10370 /10367	DEF AT local marker foram increase	DEF	AT	5
10430 /10427	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF	AT	5
10460 /10457	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	4
10490 /10487	DEF AT -----	DEF	AT	5
10520 /10517	DEF AT -----	DEF	AT	4
10550 /10546	DEF AT -----	DEF	AT	5
10580 /10576	DEF AT -----	DEF	AT	4
10610 /10606	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
10820 /10811	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
10880 /10869	DEF AT -----	DEF	AT	5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 773	<b>Date of Summary:</b> 14-MAY-2001	<b>First Sample Examined:</b> 8630
<b>Lease Number:</b> G19996	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13836
<b>Well Name:</b> A003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12987
<b>API Well Number:</b> 608174092100	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8630 - 13840	<b>Water Depth:</b> 5610
<b>Public Info Code:</b> Y 01-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11120 /11097	DEF AT -----	DEF AT 4
11990 /11826	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
12320 /12044	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12440 /12116	DEF AT -----	DEF AT 4
12500 /12152	DEF AT -----	DEF AT 5
12560 /12187	DEF AT -----	DEF AT 4
13300 /12643	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
13390 /12701	DEF AT -----	DEF AT 5
13420 /12720	DEF AT -----	DEF AT 4
13840 /	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 773	<b>Date of Summary:</b> 14-MAY-2001	<b>First Sample Examined:</b> 8630
<b>Lease Number:</b> G19996	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13836
<b>Well Name:</b> A003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12987
<b>API Well Number:</b> 608174092100	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8630 - 13840	<b>Water Depth:</b> 5610
<b>Public Info Code:</b> Y 01-JUN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Devils Tower Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8630 / 8628	DEF AT first sample examined	DEF AT
9710 / 9708	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R.	DEF AT
9770 / 9768	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10370 /10367	DEF AT local marker floral increase	DEF AT
10430 /10427	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10490 /10487	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10550 /10546	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10910 /10898	DEF AT local marker floral increase	DEF AT
11630 /11546	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11930 /11782	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12230 /11990	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12790 /12325	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13060 /12491	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13270 /12624	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13540 /12797	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13810 /12970	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 773	Date of Summary: 19-JUL-2001	First Sample Examined: 0
Lease Number: G19996	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15941
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 14802
API Well Number: 608174092901	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 5610
Public Info Code: Y 06-JUL-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13520 /13274	DEF AT Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT
15230 /14330	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15920 /14788	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 773	Date of Summary: 28-JAN-2002	First Sample Examined: 12420
Lease Number: G19996	Source of Paleo: OPERATOR	Borehole MD: 12831
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12394
API Well Number: 608174095801	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12420 - 12810	Water Depth: 5610
Public Info Code: Y 14-MAR-2012	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12420 /12002	DEF AT first sample examined	DEF AT 4
12421 /12003	DEF AT local marker foram increase	DEF AT 4
12450 /12030	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
12510 /12088	DEF AT -----	POS AT 4
12540 /12116	DEF AT -----	DEF AT 4
12570 /12145	DEF AT sand	DEF AT 4
12600 /12174	DEF AT -----	DEF AT 5
12630 /12202	DEF AT -----	POS AT 5
12720 /12288	DEF AT -----	DEF AT 4
12780 /12345	DEF AT -----	DEF AT 4
12810 /12374	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 773	<b>Date of Summary:</b> 29-APR-2002	<b>First Sample Examined:</b> 12420
<b>Lease Number:</b> G19996	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12831
<b>Well Name:</b> A006	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12394
<b>API Well Number:</b> 608174095801	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12420 - 12810	<b>Water Depth:</b> 5610
<b>Public Info Code:</b> Y 14-MAR-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12420 /12002	DEF AT first sample examined	DEF AT
12540 /12116	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12810 /12374	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 776	Date of Summary: 31-JUL-2000	First Sample Examined: 9990
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 26060
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26047
API Well Number: 608174088400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9990 - 26060	Water Depth: 5636
Public Info Code: Y 22-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Thunder Horse North Prospect, company-integrated foram and nanno report, 9991=mixed nannofossil assemblage including Early to Late Miocene and very rare Oligocene nannofossils, 13800=mixed nannofossil assemblage from late and mid-Miocene, 13830=mixed nannofossil assemblage, mostly Early Middle-Late Early Miocene, foram assemblage is predominantly lower Late Miocene in age, with common reworking of older Miocene material, 13920 TO 14070=mixed foram assemblage with fossils from Early to Late Miocene in age, 14130 to 15330=poor nannofossil recovery with assemblages as above which appear to be out-of-place, 21630=increase in 'mid-size' Reticulofenestra spp, 22260=atypical Sphenolithus dissimilis

MD / TVD	Paleo Top Description	Ecozone
9990 / 9989	DEF AT first sample examined	DEF AT
9991 / 9990	POS AT reworked material	DEF AT
10560 /10559	DEF AT salt	DEF AT
13799 /13791	DEF AT base of salt	DEF AT
13800 /13792	POS AT reworked material	DEF AT
13830 /13822	POS AT reworked material	DEF AT 6
13920 /13912	POS AT reworked material	DEF AT 6
15330 /15322	POS AT Upper Miocene (Tortonian) Uvigerina 3	POS AT 5
15360 /15352	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	POS AT 5
15540 /15532	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 5
15660 /15652	DEF AT local marker floral increase	POS AT 5
15690 /15682	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 5
15750 /15742	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
15780 /15772	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 5
15900 /15892	DEF AT Middle Miocene (Serravallian) Discoaster musicus	POS AT 5
15901 /15893	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 5
16200 /16192	DEF AT faunal change (no faunal increase)	POS AT 6
16530 /16522	DEF AT faunal change (no faunal increase)	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 776	Date of Summary: 31-JUL-2000	First Sample Examined: 9990
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 26060
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26047
API Well Number: 608174088400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9990 - 26060	Water Depth: 5636
Public Info Code: Y 22-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16770 /16762	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
17040 /17032	DEF AT - - - - -	POS AT 6
18360 /18351	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS AT 6
18570 /18561	DEF AT - - - - -	DEF AT 6
19590 /19581	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
19980 /19971	DEF AT - - - - -	POS AT 6
20110 /20101	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	POS AT 6
20250 /20241	DEF AT - - - - -	DEF AT 6
20430 /20421	DEF AT local marker planktic foram increase	DEF AT 6
20520 /20511	DEF AT Arenaceous fauna (local marker)	DEF AT 6
20759 /20749	DEF AT local marker planktic foram increase	DEF AT 6
20760 /20750	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
21630 /21620	DEF AT local marker floral increase	DEF AT 6
21750 /21740	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
21780 /21770	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 6
22110 /22100	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
22260 /22249	DEF AT local marker floral increase	DEF AT 6
22470 /22459	DEF AT - - - - -	POS AT 6
23219 /23208	DEF AT foram flood	DEF AT 6
23220 /23209	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
25230 /25218	DEF AT local marker planktic foram increase	DEF AT 6
26060 /26047	DEF AT last sample examined	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 776	Date of Summary: 01-DEC-2000	First Sample Examined: 15030
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 23360
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22045
API Well Number: 608174088403	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 15030 - 23340	Water Depth: 5636
Public Info Code: Y 11-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report, 15030=first sample examined for nannofossils, 17010=first sample examined for forams

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15030 /15022	DEF AT first sample examined	DEF AT
15360 /15351	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15510 /15500	DEF AT local marker floral increase	DEF AT
15900 /15882	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15901 /15883	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
17010 /16885	DEF AT -----	DEF AT 0
17340 /17153	DEF AT -----	DEF AT 4
17370 /17178	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
17490 /17278	DEF AT -----	DEF AT 0
18240 /17888	DEF AT -----	DEF AT 4
18690 /18242	DEF AT -----	DEF AT 0
19290 /18712	DEF AT -----	DEF AT 4
19620 /18975	DEF AT -----	DEF AT 0
19860 /19172	DEF AT -----	DEF AT 4
20040 /19320	DEF AT -----	DEF AT 0
20310 /19545	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
21690 /20669	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21990 /20913	DEF AT -----	DEF AT 0
22380 /21234	DEF AT -----	DEF AT 4
22470 /21308	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
23010 /21756	DEF AT -----	DEF AT 0

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 776	<b>Date of Summary:</b> 01-DEC-2000	<b>First Sample Examined:</b> 15030
<b>Lease Number:</b> G09866	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23360
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22045
<b>API Well Number:</b> 608174088403	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15030 - 23340	<b>Water Depth:</b> 5636
<b>Public Info Code:</b> Y 11-DEC-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23160 /21880	DEF AT -----	DEF AT 4
23340 /22029	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 776	Date of Summary: 01-SEP-2002	First Sample Examined: 14920
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 20019
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19848
API Well Number: 608174088404	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14920 - 20019	Water Depth: 5636
Public Info Code: Y 22-SEP-2012	Ecozone Eq MMS:	Paleo ID: 001

Remark: Thunder Horse Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14920 /14912	DEF AT first sample examined	DEF AT
15280 /15272	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT
15550 /15540	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15640 /15629	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15700 /15688	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15730 /15717	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
15731 /15718	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
16780 /16709	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
16960 /16876	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18670 /18508	DEF AT reworked material	DEF AT
18910 /18746	DEF AT reworked material	DEF AT
19810 /19640	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19989 /19818	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19990 /19819	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 776	Date of Summary: 05-JUL-2002	First Sample Examined: 13380
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 19693
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 19599
API Well Number: 608174098100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 13380 - 19680	Water Depth: 5662
Public Info Code: Y 23-MAY-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13380 /13366	DEF AT first sample examined	DEF AT
13500 /13486	DEF AT reworked material	DEF AT
13560 /13546	DEF AT reworked material	DEF AT
14640 /14626	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14850 /14836	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15930 /15909	DEF AT - - - - -	DEF AT 4
16020 /15998	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
16230 /16204	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 4
18870 /18793	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
19380 /19292	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
19680 /19586	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 776	Date of Summary: 21-JUN-2002	First Sample Examined: 15270
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 23100
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23084
API Well Number: 608174098101	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14730 - 23100	Water Depth: 5660
Public Info Code: Y 18-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Thunder Horse Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15270 /15256	DEF AT first sample examined	DEF AT
15271 /15257	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
16020 /16006	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16110 /16096	DEF AT -----	DEF AT 4
16140 /16126	DEF AT -----	DEF AT 0
16260 /16246	DEF AT -----	DEF AT 4
16320 /16306	DEF AT -----	DEF AT 0
16380 /16366	DEF AT -----	DEF AT 4
16440 /16426	DEF AT -----	DEF AT 3
16500 /16486	DEF AT -----	DEF AT 0
16680 /16666	DEF AT -----	DEF AT 4
16740 /16726	DEF AT -----	DEF AT 0
17340 /17325	DEF AT -----	DEF AT 4
17400 /17385	DEF AT -----	DEF AT 0
17610 /17595	DEF AT -----	DEF AT 4
17850 /17835	DEF AT -----	DEF AT 0
17940 /17925	DEF AT -----	DEF AT 4
18030 /18015	DEF AT -----	DEF AT 0
18360 /18345	DEF AT -----	DEF AT 4
18780 /18765	DEF AT -----	DEF AT 0
19290 /19275	DEF AT -----	DEF AT 4
19530 /19515	DEF AT -----	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 776  
Lease Number: G09866  
Well Name: 002  
API Well Number: 608174098101  
Paleo Report Num: 1 of 1  
Public Info Code: Y 18-JUN-2012

Date of Summary: 21-JUN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 14730 - 23100  
Ecozone Eq MMS: Y

First Sample Examined: 15270  
Borehole MD: 23100  
Borehole TVD: 23084  
Rkb Elevation: 88  
Water Depth: 5660  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20520 /20505	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20550 /20535	DEF AT -----	DEF AT 5
20640 /20625	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
20730 /20715	DEF AT -----	DEF AT 5
20760 /20745	DEF AT -----	DEF AT 4
21180 /21165	DEF AT -----	DEF AT 5
21210 /21195	DEF AT -----	DEF AT 4
21660 /21644	DEF AT -----	DEF AT 0
21960 /21944	DEF AT -----	DEF AT 4
21990 /21974	DEF AT -----	DEF AT 5
22080 /22064	DEF AT -----	DEF AT 4
22200 /22184	DEF AT -----	DEF AT 5
22320 /22304	DEF AT -----	DEF AT 4
22580 /22564	DEF AT -----	DEF AT 4
22890 /22874	DEF AT -----	DEF AT 5
22980 /22964	DEF AT -----	DEF AT 4
23100 /23084	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 776	<b>Date of Summary:</b> 15-NOV-2002	<b>First Sample Examined:</b> 17230
<b>Lease Number:</b> G09866	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22465
<b>Well Name:</b> TC001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22287
<b>API Well Number:</b> 608174088405	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16000 - 22465	<b>Water Depth:</b> 5636
<b>Public Info Code:</b> Y 10-NOV-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17230 /17216	DEF AT first sample examined	DEF AT
20620 /20580	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20650 /20609	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21970 /21825	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22030 /21881	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
22330 /22159	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22465 /22287	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 777	Date of Summary: 16-SEP-2002	First Sample Examined: 22470
Lease Number: G09867	Source of Paleo: OPERATOR	Borehole MD: 22488
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22404
API Well Number: 608174099300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14280 - 15750	Water Depth: 5610
Public Info Code: Y 24-AUG-2012	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15750 /15741	DEF AT first sample examined	DEF AT
15751 /15742	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16080 /16069	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16230 /16218	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16860 /16840	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
17160 /17135	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
20460 /20403	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20640 /20580	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22470 /22386	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 778	Date of Summary: 06-MAY-1999	First Sample Examined: 9050
Lease Number: G09868	Source of Paleo: OPERATOR	Borehole MD: 23531
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23522
API Well Number: 608174082600	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9050 - 23531	Water Depth: 6050
Public Info Code: Y 24-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
9050 / 9050	DEF AT first sample examined	DEF	AT
9051 / 9051	DEF IN salt	DEF	AT
11299 /11293	DEF AT base of salt	DEF	AT
11300 /11294	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	POS	AT 5
11450 /11443	DEF AT faunal change (no faunal increase)	DEF	AT 6
11720 /11713	DEF AT cement	POS	AT 6
11810 /11803	DEF AT faunal change (no faunal increase)	DEF	AT 5
12380 /12372	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT 5
12560 /12552	DEF AT faunal change (no faunal increase)	POS	AT 5
12770 /12762	DEF AT faunal change (no faunal increase)	DEF	AT 6
13670 /13662	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT 6
14210 /14202	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT 6
14420 /14412	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT 6
14552 /14544	DEF AT cement	POS	AT 6
14570 /14562	DEF AT faunal change (no faunal increase)	DEF	AT 5
14660 /14652	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT 5
14750 /14742	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS	AT 5
15560 /15552	DEF AT local marker foram increase	POS	AT 5
16010 /16002	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT 5
17120 /17112	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF	AT 5
17480 /17472	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT 5
17570 /17562	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 778	Date of Summary: 06-MAY-1999	First Sample Examined: 9050
Lease Number: G09868	Source of Paleo: OPERATOR	Borehole MD: 23531
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23522
API Well Number: 608174082600	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9050 - 23531	Water Depth: 6050
Public Info Code: Y 24-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17990 /17982	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT 5
18260 /18252	DEF AT faunal change (no faunal increase)	POS AT 6
18350 /18342	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 6
18440 /18432	DEF AT faunal change (no faunal increase)	DEF AT 6
18710 /18702	DEF AT faunal change (no faunal increase)	POS AT 6
19130 /19122	DEF AT faunal change (no faunal increase)	DEF AT 6
19370 /19362	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
19490 /19482	DEF AT faunal change (no faunal increase)	POS AT 6
19670 /19662	DEF AT faunal change (no faunal increase)	DEF AT 6
19940 /19932	DEF AT faunal change (no faunal increase)	POS AT 6
20090 /20082	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
20240 /20232	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 6
20270 /20262	DEF AT faunal change (no faunal increase)	DEF AT 6
21590 /21582	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
22040 /22032	DEF AT faunal change (no faunal increase)	DEF AT 6
22200 /22192	DEF AT faunal change (no faunal increase)	POS AT 6
22210 /22202	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	POS AT 6
22250 /22242	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 6
22340 /22331	DEF AT faunal change (no faunal increase)	POS AT 6
23360 /23351	POS AT Lower Miocene (Aquitania) Discoaster saundersi	POS AT 6
23510 /23501	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 6
23531 /23522	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 778	Date of Summary: 28-JUN-1999	First Sample Examined: 23510
Lease Number: G09868	Source of Paleo: OPERATOR	Borehole MD: 25782
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25765
API Well Number: 608174082601	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 21800 - 25710	Water Depth: 6037
Public Info Code: Y 21-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report, 21801= in Triquetrorhabdulus carinatus equivalent, 25710=no definite Oligocene encountered, nannospecies abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21800 /21792	DEF AT first sample examined	DEF AT
21801 /21793	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23510 /23500	DEF AT local marker foram increase	POS AT 5
23660 /23650	DEF AT Arenaceous fauna (local marker)	POS AT 5
23690 /23680	DEF AT - - - - -	DEF AT 6
24500 /24490	DEF AT local marker foram increase	DEF AT 6
24501 /24491	DEF AT local marker floral increase	DEF AT 6
25310 /25297	DEF AT - - - - -	POS AT 6
25400 /25387	DEF AT local marker foram increase	POS AT 6
25401 /25388	DEF AT local marker floral increase	POS AT 6
25710 /25694	DEF AT last sample examined	POS AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 778	<b>Date of Summary:</b> 17-JUL-2002	<b>First Sample Examined:</b> 17910
<b>Lease Number:</b> G09868	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26921
<b>Well Name:</b> TA005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25164
<b>API Well Number:</b> 608174098300	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14000 - 26860	<b>Water Depth:</b> 6033
<b>Public Info Code:</b> Y 21-JUL-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17910 /17339	DEF AT first sample examined	DEF AT
17911 /17340	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
18660 /17988	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18935 /18228	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
18990 /18276	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
19295 /18540	DEF AT -----	DEF AT 5
19355 /18593	DEF AT -----	DEF AT 4
21425 /20443	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 5
21695 /20680	DEF AT -----	DEF AT 4
21905 /20862	DEF AT -----	DEF AT 5
22025 /20966	DEF AT -----	DEF AT 4
22145 /21070	DEF AT -----	DEF AT 5
22175 /21096	DEF AT -----	DEF AT 4
22770 /21615	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 4
22800 /21641	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS AT 4
22955 /21775	DEF AT -----	DEF AT 4
23075 /21879	DEF AT -----	DEF AT 5
23105 /21905	DEF AT -----	DEF AT 7
23800 /22507	DEF AT -----	DEF AT 5
23920 /22611	DEF AT -----	POS AT 5
24070 /22740	DEF AT -----	DEF AT 6
24220 /22869	DEF AT -----	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 778  
Lease Number: G09868  
Well Name: TA005  
API Well Number: 608174098300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 21-JUL-2012

Date of Summary: 17-JUL-2002  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 14000 - 26860  
Ecozone Eq MMS: Y

First Sample Examined: 17910  
Borehole MD: 26921  
Borehole TVD: 25164  
Rkb Elevation: 93  
Water Depth: 6033  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24400 /23022	DEF AT -----	POS AT 5
24550 /23149	DEF AT -----	DEF AT 6
24640 /23223	DEF AT -----	POS AT 5
24850 /23390	DEF AT -----	DEF AT 5
24950 /23466	DEF AT -----	DEF AT 4
25030 /23528	DEF AT -----	DEF AT 5
25060 /23551	DEF AT -----	DEF AT 4
26050 /24395	DEF AT -----	DEF IN 5
26200 /24526	DEF AT -----	DEF AT 4
26290 /24604	DEF AT -----	DEF AT 5
26380 /24683	DEF AT -----	DEF AT 4
26440 /24736	DEF AT -----	DEF AT 5
26590 /24869	DEF AT -----	DEF AT 4
26740 /25002	DEF AT -----	DEF AT 5
26800 /25055	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
26830 /25082	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 778	<b>Date of Summary:</b> 16-SEP-2002	<b>First Sample Examined:</b> 17172
<b>Lease Number:</b> G14657	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23805
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21861
<b>API Well Number:</b> 608174098600	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14548 - 23805	<b>Water Depth:</b> 6034
<b>Public Info Code:</b> Y 27-AUG-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Thunderhorse Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17172 /16638	DEF AT first sample examined	DEF AT
17173 /16639	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17220 /16679	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
17820 /17165	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
18930 /18026	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19110 /18167	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19139 /18190	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
19140 /18191	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
22020 /20464	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
23805 /21861	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 778	Date of Summary: 04-SEP-2003	First Sample Examined: 19800
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 24910
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 23047
API Well Number: 608174099700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 19800 - 24660	Water Depth: 6040
Public Info Code: Y 20-JUN-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19800 /18653	DEF AT first sample examined	DEF AT
20010 /18836	DEF IN Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
21720 /20317	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT
23790 /22094	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
23820 /22120	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
24660 /22836	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 778	<b>Date of Summary:</b> 08-APR-2004	<b>First Sample Examined:</b> 20460
<b>Lease Number:</b> G14658	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24342
<b>Well Name:</b> TA001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 23228
<b>API Well Number:</b> 608174099800	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20410 - 22990	<b>Water Depth:</b> 6033
<b>Public Info Code:</b> Y 14-APR-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20460 /19407	DEF AT first sample examined	DEF AT
20461 /19408	DEF IN Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
21670 /20563	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT
22960 /21846	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
22989 /21875	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
22990 /21876	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 778	Date of Summary: 01-AUG-2002	First Sample Examined: 17970
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 24056
Well Name: TA002	Paleo Done By: OPERATOR	Borehole TVD: 23268
API Well Number: 608174098601	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 17160 - 24056	Water Depth: 6034
Public Info Code: Y 25-SEP-2012	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17970 /17344	DEF AT first sample examined	DEF AT
18810 /18101	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18869 /18156	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18870 /18156	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
18900 /18184	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
19590 /18829	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
19890 /19116	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21000 /20212	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
22590 /21802	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22620 /21832	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22890 /22102	DEF AT reworked material	DEF AT
22980 /22192	DEF AT reworked material	DEF AT
24029 /23241	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24030 /23242	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 778	Date of Summary: 01-JAN-2003	First Sample Examined: 17490
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 23587
Well Name: TA003	Paleo Done By: OPERATOR	Borehole TVD: 23504
API Well Number: 608174098900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 17490 - 21630	Water Depth: 6033
Public Info Code: Y 29-DEC-2012	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17490 /17484	DEF AT first sample examined	DEF AT
20460 /20382	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
21580 /21497	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21630 /21547	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 782	Date of Summary: 01-JUL-2006	First Sample Examined: 12985
Lease Number: G16648	Source of Paleo: OPERATOR	Borehole MD: 25594
Well Name: 001	Paleo Done By: MITCH COVINGTON	Borehole TVD: 25594
API Well Number: 608174109600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 12985 - 25510	Water Depth: 6686
Public Info Code: Y 02-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Caterpillar Deep Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12985 /12985	DEF AT first sample examined	DEF AT
12990 /12990	DEF AT base of salt	DEF AT
13180 /13180	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
13450 /13450	DEF AT floral flood	DEF AT
13540 /13540	DEF AT local marker floral decrease	DEF AT
13570 /13570	DEF AT floral flood	DEF AT
13630 /13630	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14030 /14030	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
14320 /14320	DEF AT local marker floral decrease	DEF AT
15220 /15220	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15280 /15280	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15340 /15340	DEF AT local marker floral decrease	DEF AT
15970 /15970	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
16030 /16030	DEF AT local marker floral decrease	DEF AT
16300 /16300	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16390 /16390	DEF AT floral flood	DEF AT
16960 /16960	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17050 /17050	DEF AT local marker floral decrease	DEF AT
18400 /18400	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18880 /18880	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
19450 /19450	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20290 /20290	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 782	Date of Summary: 01-JUL-2006	First Sample Examined: 12985
Lease Number: G16648	Source of Paleo: OPERATOR	Borehole MD: 25594
Well Name: 001	Paleo Done By: MITCH COVINGTON	Borehole TVD: 25594
API Well Number: 608174109600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 12985 - 25510	Water Depth: 6686
Public Info Code: Y 02-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23140 /23140	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23560 /23560	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
24250 /24250	DEF AT floral flood	DEF AT
25510 /25510	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 782	Date of Summary: 03-FEB-2007	First Sample Examined: 25540
Lease Number: G16648	Source of Paleo: OPERATOR	Borehole MD: 27316
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27311
API Well Number: 608174109601	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 25540 - 27316	Water Depth: 6686
Public Info Code: Y 02-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Caterpillar Deep Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25540 /25535	DEF AT first sample examined	DEF IN 4
25541 /25536	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
25599 /25594	DEF AT turbid water facies	POS IN 4
25600 /25595	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	POS IN 4
25630 /25625	DEF AT Bathysiphon fauna	POS IN 4
25690 /25685	DEF AT Eggerella sp. (local marker)	DEF IN 4
25750 /25745	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25780 /25775	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
25960 /25955	DEF AT - - - - -	DEF IN 4
26110 /26105	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
27060 /27055	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 6
27090 /27085	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
27150 /27145	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
27180 /27175	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 6
27270 /27265	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
27316 /27311	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 782	Date of Summary: 07-FEB-2007	First Sample Examined: 23770
Lease Number: G16648	Source of Paleo: OPERATOR	Borehole MD: 27316
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27311
API Well Number: 608174109601	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 23770 - 27300	Water Depth: 6686
Public Info Code: Y 02-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Caterpillar Deep Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23770 /23769	DEF AT first sample examined	DEF AT
24970 /24965	DEF AT local marker floral increase	DEF AT
25270 /25265	DEF AT local marker floral decrease	DEF AT
25600 /25595	DEF AT local marker floral increase	DEF AT
25720 /25715	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25960 /25955	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
26760 /26755	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
26880 /26875	DEF AT local marker floral decrease	DEF AT
26910 /26905	DEF AT local marker floral increase	DEF AT
26970 /26965	DEF AT local marker floral decrease	DEF AT
27030 /27025	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27120 /27115	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27150 /27145	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
27180 /27175	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
27210 /27205	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27300 /27295	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 806	Date of Summary: 01-APR-1999	First Sample Examined: 9490
Lease Number: G07962	Source of Paleo: OPERATOR	Borehole MD: 17300
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16443
API Well Number: 608174039800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 5180 - 17300	Water Depth: 3106
Public Info Code: Y 17-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, from 11320 to 13330, foram and nanno markers are out-of-place, from 16090 to 17260, salt crystals are present in nanno samples

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9490 / 9490	DEF AT first sample examined	DEF AT
10300 /10299	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11319 /11259	DEF AT reworked material	DEF AT
11320 /11260	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11740 /11626	DEF AT - - - - -	DEF IN 4
14320 /13793	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 4
14410 /13868	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
14590 /14021	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
14620 /14047	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
14740 /14151	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
15186 /14541	DEF AT salt	DEF IN 4
17300 /16443	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 806	<b>Date of Summary:</b> 08-SEP-2006	<b>First Sample Examined:</b> 13930
<b>Lease Number:</b> G07962	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17640
<b>Well Name:</b> DM001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17124
<b>API Well Number:</b> 608174099001	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13930 - 17640	<b>Water Depth:</b> 3003
<b>Public Info Code:</b> Y 11-OCT-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Deimos-Tungsten Development Prospect, paleo done by Bruce Desselle

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13930 /13904	DEF AT first sample examined	DEF AT 4
13990 /13962	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
14050 /14019	DEF AT transported shelf fauna	DEF AT 5
14140 /14106	DEF AT - - - - -	DEF AT 4
14200 /14164	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
14830 /14765	DEF AT local marker foram increase	DEF AT 4
14860 /14792	DEF AT maximum flooding surface	DEF AT 5
14920 /14847	POS AT local marker benthic foram increase	DEF AT 5
15009 /14926	DEF AT maximum flooding surface	DEF AT 5
15010 /14927	DEF AT local marker planktic foram increase	DEF AT 5
15370 /15235	DEF AT Eggerella sp. (local marker)	DEF AT 5
15820 /15613	DEF AT - - - - -	DEF AT 4
15970 /15739	DEF AT transported shelf fauna	POS AT 4
16030 /15789	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
16150 /15890	POS AT local marker foram increase	DEF AT 4
16390 /16091	DEF AT local marker planktic foram increase	DEF AT 5
16420 /16116	DEF AT Bathysiphon fauna	DEF AT 5
16450 /16141	DEF AT turbid water facies	DEF AT 5
16480 /16166	DEF AT Bathysiphon fauna	DEF AT 5
16630 /16292	DEF AT turbid water facies	POS AT 5
16660 /16317	DEF AT - - - - -	POS AT 4
16690 /16342	DEF AT - - - - -	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 806	<b>Date of Summary:</b> 08-SEP-2006	<b>First Sample Examined:</b> 13930
<b>Lease Number:</b> G07962	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17640
<b>Well Name:</b> DM001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17124
<b>API Well Number:</b> 608174099001	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13930 - 17640	<b>Water Depth:</b> 3003
<b>Public Info Code:</b> Y 11-OCT-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17110 /16694	DEF AT Bathysiphon fauna	DEF AT 5
17320 /16868	DEF AT siltstone	DEF AT 5
17410 /16941	DEF AT local marker planktic foram increase	DEF AT 5
17500 /17014	DEF AT turbid water facies	POS AT 5
17590 /17085	DEF AT Arenaceous fauna (local marker)	POS AT 5
17640 /17124	DEF AT last sample examined	POS AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807	Date of Summary: 02-SEP-2003	First Sample Examined: 17390
Lease Number: G07957	Source of Paleo: OPERATOR	Borehole MD: 24865
Well Name: 001	Paleo Done By: DANALYNNE GRIFFITH	Borehole TVD: 22508
API Well Number: 608174100803	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17390 - 24865	Water Depth: 2910
Public Info Code: Y 09-JUN-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: Deimos Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17390 /16745	DEF AT first sample examined	POS IN 3
17391 /16746	DEF AT local marker foram decrease	POS IN 3
17960 /17222	DEF AT Cyclammina sp. (local marker)	POS IN 3
18050 /17297	DEF AT Arenaceous fauna (local marker)	POS IN 3
18170 /17396	DEF AT -----	DEF IN 3
18200 /17421	DEF AT -----	DEF AT 4
18230 /17446	DEF AT -----	DEF IN 4
18290 /17496	DEF AT -----	DEF AT 4
18320 /17522	DEF AT -----	DEF IN 4
18350 /17547	DEF AT -----	DEF AT 4
18390 /17580	DEF AT local marker foram decrease	DEF AT 4
18440 /17621	DEF AT -----	POS AT 4
18620 /17768	DEF AT -----	DEF AT 4
18680 /17817	DEF AT local marker planktic foram increase	DEF AT 4
18710 /17841	DEF AT -----	DEF IN 4
18770 /17889	DEF AT -----	DEF AT 4
18980 /18050	DEF AT -----	DEF AT 5
19010 /18073	DEF AT -----	DEF AT 4
19040 /18096	DEF AT -----	DEF AT 5
19070 /18119	DEF AT -----	DEF AT 4
19160 /18186	DEF AT -----	DEF IN 4
19250 /18252	DEF AT local marker planktic foram increase	DEF AT 4

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807  
Lease Number: G07957  
Well Name: 001  
API Well Number: 608174100803  
Paleo Report Num: 1 of 1  
Public Info Code: Y 09-JUN-2013

Date of Summary: 02-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: DANALYNNE GRIFFITH  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 17390 - 24865  
Ecozone Eq MMS:

First Sample Examined: 17390  
Borehole MD: 24865  
Borehole TVD: 22508  
Rkb Elevation: 75  
Water Depth: 2910  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19275 /18271	DEF AT -----	POS AT 4
19610 /18516	DEF AT -----	DEF AT 4
19700 /18583	DEF AT -----	DEF IN 4
19850 /18695	DEF AT -----	DEF AT 4
19880 /18717	DEF AT -----	DEF IN 4
19970 /18784	DEF AT -----	DEF AT 4
20000 /18807	DEF AT -----	POS AT 4
20030 /18829	DEF AT -----	DEF IN 4
20060 /18852	DEF AT -----	DEF AT 4
20090 /18874	DEF AT -----	DEF IN 4
20180 /18941	DEF AT -----	POS IN 4
20270 /19009	DEF AT -----	DEF IN 4
20300 /19031	DEF AT -----	DEF AT 5
20330 /19054	DEF AT -----	DEF IN 4
20390 /19099	DEF AT -----	DEF AT 4
20420 /19122	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
20450 /19144	DEF AT -----	DEF IN 4
20510 /19190	DEF AT -----	DEF AT 4
20540 /19212	DEF AT -----	DEF IN 4
20600 /19258	DEF AT -----	DEF AT 4
20660 /19303	DEF AT -----	DEF IN 4
20750 /19370	DEF AT -----	DEF AT 4
20840 /19438	DEF AT -----	POS AT 4
20870 /19461	DEF AT -----	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807  
Lease Number: G07957  
Well Name: 001  
API Well Number: 608174100803  
Paleo Report Num: 1 of 1  
Public Info Code: Y 09-JUN-2013

Date of Summary: 02-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: DANALYNNE GRIFFITH  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 17390 - 24865  
Ecozone Eq MMS:

First Sample Examined: 17390  
Borehole MD: 24865  
Borehole TVD: 22508  
Rkb Elevation: 75  
Water Depth: 2910  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20930 /19506	DEF AT -----	DEF IN 4
20990 /19551	DEF AT local marker planktic foram increase	DEF AT 5
21020 /19573	DEF AT -----	DEF IN 4
21260 /19752	DEF AT -----	DEF AT 5
21290 /19774	DEF AT -----	DEF AT 4
21320 /19796	DEF AT -----	DEF IN 4
21530 /19951	DEF AT -----	DEF AT 4
21560 /19973	DEF AT local marker foram decrease	DEF IN 4
21590 /19995	DEF AT -----	DEF AT 4
21620 /20017	DEF AT -----	DEF IN 4
21650 /20039	DEF AT -----	DEF AT 4
21710 /20083	DEF AT -----	POS AT 4
21920 /20236	DEF AT -----	DEF AT 4
21950 /20258	DEF AT -----	POS AT 4
22040 /20324	DEF AT -----	DEF AT 4
22100 /20367	DEF AT -----	DEF IN 5
22130 /20389	DEF AT -----	DEF IN 4
22220 /20455	DEF AT -----	DEF AT 4
22310 /20521	DEF AT -----	POS AT 4
22370 /20565	DEF AT -----	DEF IN 4
22400 /20587	DEF AT -----	DEF AT 4
22430 /20609	DEF AT -----	DEF IN 4
22490 /20654	DEF AT -----	DEF AT 4
22520 /20676	DEF AT -----	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807  
Lease Number: G07957  
Well Name: 001  
API Well Number: 608174100803  
Paleo Report Num: 1 of 1  
Public Info Code: Y 09-JUN-2013

Date of Summary: 02-SEP-2003  
Source of Paleo: OPERATOR  
Paleo Done By: DANALYNNE GRIFFITH  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 17390 - 24865  
Ecozone Eq MMS:

First Sample Examined: 17390  
Borehole MD: 24865  
Borehole TVD: 22508  
Rkb Elevation: 75  
Water Depth: 2910  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22550 /20699	DEF AT -----	DEF IN 4
22580 /20721	DEF AT -----	DEF IN 4
22760 /20858	DEF AT -----	DEF AT 4
22820 /20903	DEF AT -----	POS AT 4
23510 /21432	DEF AT -----	DEF IN 4
23570 /21479	DEF AT -----	DEF IN 4
23600 /21502	DEF AT -----	DEF IN 4
23660 /21549	DEF AT -----	DEF AT 4
23690 /21573	DEF AT -----	DEF IN 4
23720 /21596	DEF AT -----	DEF AT 4
23780 /21643	DEF AT -----	DEF IN 4
23840 /21690	DEF AT -----	DEF AT 4
23870 /21714	DEF AT -----	DEF IN 4
23900 /21737	DEF AT -----	DEF AT 4
23930 /21761	DEF AT -----	DEF IN 4
23960 /21785	DEF AT -----	DEF AT 4
23990 /21808	DEF AT -----	DEF IN 4
24050 /21856	DEF AT -----	DEF AT 4
24080 /21880	DEF AT -----	DEF IN 4
24110 /21904	DEF AT -----	DEF AT 4
24140 /21927	DEF AT -----	DEF IN 4
24200 /21975	DEF AT -----	DEF AT 4
24260 /22023	DEF AT -----	DEF IN 4
24290 /22047	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807	Date of Summary: 02-SEP-2003	First Sample Examined: 17390
Lease Number: G07957	Source of Paleo: OPERATOR	Borehole MD: 24865
Well Name: 001	Paleo Done By: DANALYNNE GRIFFITH	Borehole TVD: 22508
API Well Number: 608174100803	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17390 - 24865	Water Depth: 2910
Public Info Code: Y 09-JUN-2013	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24530 /22239	DEF AT -----	DEF IN 4
24560 /22263	DEF AT -----	DEF AT 4
24590 /22287	DEF AT -----	DEF IN 4
24620 /22311	DEF AT -----	DEF AT 4
24865 /22508	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 807	<b>Date of Summary:</b> 01-JUN-2001	<b>First Sample Examined:</b> 26922
<b>Lease Number:</b> G07958	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27565
<b>Well Name:</b> A019	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 19801
<b>API Well Number:</b> 608174048701	<b>Drilling Operator:</b> SHELL DEEPWATER PRODUCTION INC	<b>Rkb Elevation:</b> 192
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 26922 - 27565	<b>Water Depth:</b> 2945
<b>Public Info Code:</b> Y 08-JUN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Deimos Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26922 /19158	DEF AT first sample examined	DEF AT
26923 /19159	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
27565 /19801	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 807	<b>Date of Summary:</b> 01-APR-1999	<b>First Sample Examined:</b> 15500
<b>Lease Number:</b> G07963	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18030
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17653
<b>API Well Number:</b> 608174036201	<b>Drilling Operator:</b> SHELL DEEPWATER PRODUCTION INC	<b>Rkb Elevation:</b> 48
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13397 - 18030	<b>Water Depth:</b> 3013
<b>Public Info Code:</b> Y 10-FEB-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15500 /15316	DEF AT first sample examined	DEF AT
16250 /15993	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16520 /16242	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16550 /16270	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
16670 /16381	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF IN 4
18030 /17653	DEF AT last sample examined	DEF IN 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807	Date of Summary: 01-APR-1999	First Sample Examined: 5310
Lease Number: G07963	Source of Paleo: OPERATOR	Borehole MD: 10315
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10314
API Well Number: 608174037700	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 5310 - 12300	Water Depth: 2927
Public Info Code: Y 02-MAY-2000	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5310 / 5310	DEF AT first sample examined	POS IN 4
5790 / 5790	DEF AT Upper Pleistocene (Ionian) Pontosphaera indooceanica	POS IN 4
6060 / 6060	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
6390 / 6390	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF IN 4
6870 / 6870	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
7350 / 7350	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 4
8130 / 8130	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF IN 4
8250 / 8250	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF IN 4
8790 / 8790	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
8850 / 8850	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 4
10080 /10080	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
10170 /10170	DEF IN Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 4
10260 /10260	DEF AT last sample examined	DEF IN 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 807	<b>Date of Summary:</b> 01-APR-1999	<b>First Sample Examined:</b> 10260
<b>Lease Number:</b> G07963	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17321
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16719
<b>API Well Number:</b> 608174038000	<b>Drilling Operator:</b> SHELL DEEPWATER PRODUCTION INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10260 - 17310	<b>Water Depth:</b> 2930
<b>Public Info Code:</b> Y 09-AUG-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10260 /10260	DEF AT first sample examined	DEF IN 4
11010 /11009	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 4
12150 /12149	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 4
12720 /12719	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 4
13020 /13016	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 4
13980 /13905	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 4
16500 /15967	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4
17310 /16709	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807	Date of Summary: 01-APR-1999	First Sample Examined: 12000
Lease Number: G07963	Source of Paleo: OPERATOR	Borehole MD: 19470
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 19345
API Well Number: 608174038001	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 11700 - 19620	Water Depth: 2930
Public Info Code: Y 11-NOV-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
12000 /11999	DEF AT first sample examined	DEF	AT
12960 /12959	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
13350 /13349	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT
13410 /13409	DEF AT sample gap top	DEF	AT
14490 /14488	DEF AT sample gap bottom	DEF	AT
16210 /16184	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
16290 /16261	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN 4
17450 /17370	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	IN 4
19200 /19079	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF	IN 4
19620 /	DEF AT last sample examined	DEF	IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807	Date of Summary: 31-JUL-1996	First Sample Examined: 16570
Lease Number: G07963	Source of Paleo: OPERATOR	Borehole MD: 19150
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 19144
API Well Number: 608174038871	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 5350 - 19150	Water Depth: 2956
Public Info Code: Y 12-MAR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16570 /16565	DEF AT first sample examined	POS IN 4
16571 /16566	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	POS IN 4
17560 /17554	DEF AT Upper Miocene (Tortonian) Minylitha convallis	POS IN 4
19090 /19084	DEF AT - - - - -	DEF IN 4
19150 /19144	DEF AT last sample examined	DEF IN 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 807	Date of Summary: 13-AUG-1999	First Sample Examined: 19230
Lease Number: G07963	Source of Paleo: OPERATOR	Borehole MD: 23400
Well Name: A007	Paleo Done By: THOMAS REILLY	Borehole TVD: 22804
API Well Number: 608174047800	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 192
Paleo Report Num: 1 of 1	Sample Range: 19230 - 23370	Water Depth: 2945
Public Info Code: Y 20-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19230 /18666	DEF AT first sample examined	DEF IN 3
19680 /19096	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
19770 /19184	DEF AT local marker foram increase	DEF AT 4
20070 /19480	DEF AT - - - - -	DEF IN 3
20310 /19718	DEF AT local marker planktic foram increase	DEF IN 3
20910 /20318	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
21000 /20408	DEF AT local marker foram increase	DEF AT 4
22080 /21486	DEF AT local marker planktic foram increase	DEF AT 4
22290 /21696	DEF AT local marker planktic foram increase	DEF AT 4
22800 /22205	DEF AT local marker foram increase	DEF AT 4
23010 /22414	DEF AT local marker foram increase	DEF AT 4
23370 /22774	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809	Date of Summary: 30-JUN-1994	First Sample Examined: 4880
Lease Number: G05868	Source of Paleo: OPERATOR	Borehole MD: 19931
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19927
API Well Number: 608174045570	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 46
Paleo Report Num: 1 of 2	Sample Range: 4880 - 19930	Water Depth: 3762
Public Info Code: Y 08-JAN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4880 / 4880	DEF AT first sample examined	DEF AT
7010 / 7010	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8520 / 8520	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8700 / 8700	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8910 / 8910	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9090 / 9090	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9119 / 9119	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9120 / 9120	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9270 / 9270	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10160 /10160	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
10890 /10890	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11660 /11660	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
19180 /19176	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19930 /19926	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809	Date of Summary: 01-APR-1999	First Sample Examined: 4880
Lease Number: G05868	Source of Paleo: OPERATOR	Borehole MD: 19931
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19927
API Well Number: 608174045570	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 4880 - 19930	Water Depth: 3762
Public Info Code: Y 08-JAN-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
4880 / 4880	DEF AT first sample examined	DEF	AT
5570 / 5570	POS AT Upper Pleistocene (Ionian) Pontosphaera indooceanica	DEF	AT
7010 / 7010	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF	AT
7920 / 7920	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF	AT
8520 / 8520	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF	AT
8535 / 8535	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF	AT
8700 / 8700	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	IN 4
8910 / 8910	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	IN 4
9090 / 9090	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF	IN 4
9120 / 9120	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN 4
9210 / 9210	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	IN 4
9270 / 9270	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF	IN 4
10160 /10160	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	IN 4
10860 /10860	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	IN 4
10940 /10940	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	IN 4
11660 /11660	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF	IN 4
13120 /13120	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	IN 4
13300 /13300	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	IN 4
15310 /15309	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN 4
17500 /17496	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF	IN 4
18370 /18366	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF	IN 4
19010 /19006	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF	IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809	Date of Summary: 01-APR-1999	First Sample Examined: 4880
Lease Number: G05868	Source of Paleo: OPERATOR	Borehole MD: 19931
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19927
API Well Number: 608174045570	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 4880 - 19930	Water Depth: 3762
Public Info Code: Y 08-JAN-2004	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19180 /19176	POS AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF IN 4
19930 /19926	DEF AT last sample examined	DEF IN 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 809	<b>Date of Summary:</b> 10-OCT-2003	<b>First Sample Examined:</b> 23000
<b>Lease Number:</b> G12166	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27050
<b>Well Name:</b> P003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 20029
<b>API Well Number:</b> 608174098801	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 23000 - 27050	<b>Water Depth:</b> 3642
<b>Public Info Code:</b> Y 16-NOV-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Indeterminate paleobathymetry designated for most of the well

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23000 /17709	DEF AT first sample examined	DEF AT
23001 /17709	DEF AT siltstone	DEF AT
23002 /17710	DEF AT turbid water facies	DEF AT
23299 /17857	DEF AT local marker planktic foram increase	DEF AT
23300 /17857	POS IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT
23360 /17887	DEF AT local marker planktic foram increase	DEF AT 4
24050 /18234	DEF AT - - - - -	DEF AT 5
24100 /18259	DEF AT siltstone	DEF AT
24279 /18349	DEF AT condensed section	DEF AT
24280 /18349	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT
24600 /18515	DEF AT local marker planktic foram increase	DEF AT
25400 /18966	DEF AT local marker foram decrease	DEF AT
26200 /19468	POS AT local marker planktic foram increase	DEF AT 5
26230 /19488	DEF AT turbid water facies	DEF AT
26320 /19546	DEF AT - - - - -	DEF AT 5
26800 /19862	DEF AT turbid water facies	DEF AT
26900 /19928	DEF AT turbid water facies	DEF AT
26950 /19962	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
27050 /20029	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MC 809	<b>Date of Summary:</b> 31-OCT-2003	<b>First Sample Examined:</b> 23000
<b>Lease Number:</b> G12166	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23650
<b>Well Name:</b> P003	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 18027
<b>API Well Number:</b> 608174098802	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 23000 - 27050	<b>Water Depth:</b> 3642
<b>Public Info Code:</b> Y 14-DEC-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23000 /17604	DEF AT first sample examined	DEF AT
23359 /17836	DEF AT local marker floral increase	DEF AT
23360 /17836	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
23920 /	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23950 /	DEF AT local marker floral decrease	DEF AT
24150 /	DEF AT local marker floral increase	DEF AT
24310 /	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
24450 /	DEF AT local marker floral increase	DEF AT
25050 /	DEF AT local marker floral decrease	DEF AT
25100 /	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
26000 /	DEF AT local marker floral increase	DEF AT
26150 /	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
26260 /	DEF AT local marker floral decrease	DEF AT
26380 /	DEF AT local marker floral increase	DEF AT
26410 /	DEF AT local marker floral decrease	DEF AT
26600 /	DEF AT reworked material	DEF AT
26750 /	DEF AT local marker floral increase	DEF AT
26799 /	DEF AT local marker floral decrease	DEF AT
26800 /	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27050 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809  
Lease Number: G14653  
Well Name: P002  
API Well Number: 608174096300  
Paleo Report Num: 1 of 2  
Public Info Code: Y 25-APR-2012

Date of Summary: 18-FEB-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 20980 - 31750  
Ecozone Eq MMS: Y

First Sample Examined: 20980  
Borehole MD: 31753  
Borehole TVD: 21271  
Rkb Elevation: 82  
Water Depth: 3637  
Paleo ID: 001

Remark: Princess Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20980 /16435	DEF AT first sample examined	DEF AT 4
21010 /16453	DEF AT -----	DEF AT 4
21160 /16542	DEF AT -----	DEF AT 4
21280 /16614	DEF AT -----	DEF AT 4
21340 /16650	DEF AT -----	DEF AT 4
21400 /16686	DEF AT local marker foram increase	DEF AT 4
21490 /16740	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
21580 /16793	DEF AT faunal change (no faunal increase)	DEF IN 4
21670 /16847	DEF AT -----	DEF AT 4
21880 /16973	DEF AT -----	DEF AT 4
21940 /17009	DEF AT -----	DEF AT 4
22060 /17081	DEF AT -----	POS AT 4
22210 /17169	DEF AT -----	DEF AT 4
22330 /17240	DEF AT -----	DEF AT 4
22360 /17258	DEF AT local marker foram increase	DEF AT 4
22480 /17328	DEF AT -----	DEF AT 5
22540 /17364	DEF AT -----	DEF AT 4
22570 /17381	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22630 /17417	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
22870 /17555	DEF AT -----	DEF AT 4
22900 /17572	DEF AT -----	DEF AT 5
22990 /17621	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809  
Lease Number: G14653  
Well Name: P002  
API Well Number: 608174096300  
Paleo Report Num: 1 of 2  
Public Info Code: Y 25-APR-2012

Date of Summary: 18-FEB-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 20980 - 31750  
Ecozone Eq MMS: Y

First Sample Examined: 20980  
Borehole MD: 31753  
Borehole TVD: 21271  
Rkb Elevation: 82  
Water Depth: 3637  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23020 /17637	DEF AT -----	DEF AT 5
23170 /17715	DEF AT -----	DEF AT 4
23200 /17730	DEF AT -----	DEF AT 5
23470 /17856	DEF AT -----	DEF AT 4
23710 /17949	DEF AT -----	DEF AT 5
23770 /17970	DEF AT -----	DEF AT 4
23800 /17981	DEF AT -----	DEF AT 5
23950 /18032	DEF AT -----	DEF AT 4
24070 /18073	DEF AT -----	DEF AT 5
24100 /18083	DEF AT -----	DEF AT 4
24130 /18093	DEF AT -----	DEF AT 5
24190 /18113	DEF AT -----	DEF AT 4
24219 /18123	DEF AT sand	DEF AT 4
24220 /18123	DEF AT local marker foram decrease	DEF AT 4
24280 /18144	DEF AT -----	DEF AT 4
24310 /18154	DEF AT -----	DEF AT 4
24340 /18164	DEF AT -----	DEF AT 4
24370 /18175	DEF AT -----	DEF AT 4
24490 /18217	DEF AT -----	DEF AT 4
24550 /18239	DEF AT -----	DEF AT 4
25000 /18400	DEF AT -----	DEF AT 4
25120 /18445	DEF AT -----	DEF AT 4
25150 /18457	DEF AT -----	DEF AT 4
25210 /18480	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809  
Lease Number: G14653  
Well Name: P002  
API Well Number: 608174096300  
Paleo Report Num: 1 of 2  
Public Info Code: Y 25-APR-2012

Date of Summary: 18-FEB-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 20980 - 31750  
Ecozone Eq MMS: Y

First Sample Examined: 20980  
Borehole MD: 31753  
Borehole TVD: 21271  
Rkb Elevation: 82  
Water Depth: 3637  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25240 /18491	DEF AT -----	DEF AT 4
25360 /18535	DEF AT turbid water facies	DEF AT
25600 /18619	DEF AT -----	DEF AT 4
25810 /18690	DEF AT -----	DEF IN 3
25840 /18700	DEF AT sand	DEF AT
25900 /18721	DEF AT -----	DEF AT 4
26170 /18820	DEF AT -----	DEF AT 4
26230 /18841	DEF AT sand	DEF AT
26260 /18851	DEF AT -----	DEF AT 4
26290 /18862	DEF AT local marker planktic foram increase	DEF AT 4
26320 /18872	DEF AT local marker foram increase	DEF AT 5
26410 /18901	DEF AT -----	DEF AT 4
26590 /18961	DEF AT faunal change (no faunal increase)	DEF AT 4
26740 /19012	DEF AT -----	DEF AT 4
26770 /19022	DEF AT -----	DEF AT 4
26800 /19033	DEF AT -----	DEF AT 4
27850 /19392	DEF AT local marker foram increase	DEF AT 4
28060 /19464	DEF AT -----	POS AT 4
28090 /19474	DEF AT -----	DEF AT 4
28120 /19484	DEF AT -----	DEF AT 4
28210 /19514	DEF AT local marker foram increase	DEF AT 4
28390 /19577	DEF AT -----	DEF IN 3
28450 /19599	DEF AT -----	DEF AT 4
28600 /19654	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> MC 809	<b>Date of Summary:</b> 18-FEB-2002	<b>First Sample Examined:</b> 20980
<b>Lease Number:</b> G14653	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31753
<b>Well Name:</b> P002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 21271
<b>API Well Number:</b> 608174096300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 20980 - 31750	<b>Water Depth:</b> 3637
<b>Public Info Code:</b> Y 25-APR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28630 /19665	DEF AT -----	DEF AT 4
28750 /19711	DEF AT -----	DEF AT 0
28810 /19735	DEF AT turbid water facies	DEF AT
28930 /19783	DEF AT -----	DEF AT 0
29110 /19859	DEF AT turbid water facies	DEF AT
29140 /19873	DEF AT -----	POS AT 0
29170 /19886	DEF AT turbid water facies	DEF AT
29200 /19899	DEF AT -----	POS AT 0
29230 /19912	DEF AT turbid water facies	DEF AT
29530 /20051	DEF AT local marker foram increase	DEF AT 4
29740 /20154	DEF AT -----	POS AT 0
29770 /20168	DEF AT turbid water facies	DEF AT
30070 /20321	DEF AT -----	DEF AT 4
30100 /20336	DEF AT -----	DEF AT 0
30160 /20367	DEF AT turbid water facies	DEF AT
30370 /20477	DEF AT -----	DEF AT 0
30430 /20509	DEF AT turbid water facies	DEF AT
30940 /20791	DEF AT local marker foram increase	DEF AT
31030 /20843	DEF AT -----	DEF IN 3
31150 /20912	DEF AT turbid water facies	DEF AT
31390 /21052	DEF AT faunal change (no faunal increase)	DEF AT
31450 /21087	DEF AT local marker foram increase	DEF AT
31540 /21141	DEF AT -----	DEF IN 3
31570 /21159	DEF AT turbid water facies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809	Date of Summary: 18-FEB-2002	First Sample Examined: 20980
Lease Number: G14653	Source of Paleo: OPERATOR	Borehole MD: 31753
Well Name: P002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 21271
API Well Number: 608174096300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 20980 - 31750	Water Depth: 3637
Public Info Code: Y 25-APR-2012	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31750 /21269	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809	Date of Summary: 01-JUL-2002	First Sample Examined: 25000
Lease Number: G14653	Source of Paleo: OPERATOR	Borehole MD: 31753
Well Name: P002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 21271
API Well Number: 608174096300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 25000 - 31750	Water Depth: 3637
Public Info Code: Y 25-APR-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Princess Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25000 /18400	DEF AT first sample examined	DEF AT
25001 /18401	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
25630 /18629	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
25749 /18669	POS AT reworked material	DEF AT
25750 /18670	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
26260 /18851	DEF AT local marker floral increase	DEF AT
26350 /18882	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
28210 /19514	DEF AT local marker (general)	DEF AT
28810 /19735	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
29890 /20229	POS AT local marker floral increase	DEF AT
30640 /20623	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
31720 /21251	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809  
Lease Number: G14653  
Well Name: P002  
API Well Number: 608174096301  
Paleo Report Num: 1 of 2  
Public Info Code: Y 09-JUN-2012

Date of Summary: 03-MAY-2002  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 29340 - 33200  
Ecozone Eq MMS: Y

First Sample Examined: 29370  
Borehole MD: 33200  
Borehole TVD: 22555  
Rkb Elevation: 82  
Water Depth: 3637  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
29340 /19989	DEF AT first sample examined	DEF	AT
29341 /19990	DEF AT turbid water facies	DEF	AT
29550 /20106	DEF AT local marker foram increase	DEF	AT
29790 /20244	DEF AT - - - - -	DEF	AT 4
29820 /20261	DEF AT turbid water facies	POS	AT 4
30960 /20970	DEF AT local marker foram increase	POS	AT 4
31530 /21355	DEF AT - - - - -	DEF	IN 4
31560 /21375	DEF AT turbid water facies	POS	IN 4
31960 /21653	DEF AT - - - - -	DEF	IN 3
31990 /21674	DEF AT turbid water facies	POS	AT 3
32260 /21864	DEF AT - - - - -	DEF	AT 4
32290 /21885	DEF AT turbid water facies	POS	AT 4
33040 /22435	DEF AT - - - - -	DEF	AT 4
33130 /22502	DEF AT turbid water facies	POS	AT 4
33200 /22555	DEF AT last sample examined	POS	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 809	Date of Summary: 01-JUL-2002	First Sample Examined: 28920
Lease Number: G14653	Source of Paleo: OPERATOR	Borehole MD: 33200
Well Name: P002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 22555
API Well Number: 608174096301	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 28920 - 33200	Water Depth: 3637
Public Info Code: Y 09-JUN-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28920 /19779	DEF AT first sample examined	DEF AT
29910 /20314	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
32590 /22100	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
33200 /22555	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 810	Date of Summary: 20-JAN-1997	First Sample Examined: 5770
Lease Number: G09873	Source of Paleo: OPERATOR	Borehole MD: 20293
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 19828
API Well Number: 608174053100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 5770 - 20293	Water Depth: 3943
Public Info Code: Y 22-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5770 / 5770	DEF AT first sample examined	DEF AT
7120 / 7120	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 6
7900 / 7900	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 6
8410 / 8410	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8680 / 8680	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF IN 6
9130 / 9130	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
9280 / 9280	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
9399 / 9399	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
9400 / 9400	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
10090 /10090	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
10450 /10449	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11230 /11227	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
11470 /11467	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12370 /12367	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 5
13560 /13557	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
15420 /15380	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
18090 /17811	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
20293 /19828	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 815	Date of Summary: 01-MAR-2000	First Sample Examined: 7400
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7400 - 13890	Water Depth: 5400
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
7400 / 7400	DEF AT first sample examined	DEF AT
7460 / 7460	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
8210 / 8210	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8810 / 8810	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8870 / 8870	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8900 / 8900	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8930 / 8930	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9020 / 9020	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9110 / 9110	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9500 / 9500	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9800 / 9800	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10370 /10370	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10400 /10400	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10910 /10910	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10970 /10970	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11030 /11030	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
11900 /11900	DEF AT local marker floral increase	DEF AT
12960 /12959	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13130 /13129	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13370 /13367	DEF AT Upper Miocene (Tortonian) Helicosphaera "B"	DEF AT
13420 /13417	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 815	<b>Date of Summary:</b> 01-MAR-2000	<b>First Sample Examined:</b> 7400
<b>Lease Number:</b> G18294	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13837
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 13823
<b>API Well Number:</b> 608174086600	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7400 - 13890	<b>Water Depth:</b> 5400
<b>Public Info Code:</b> Y 14-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13460 /13456	POS AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
13500 /13496	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13890 /	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 815	Date of Summary: 01-APR-2000	First Sample Examined: 7375
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7375 - 13838	Water Depth: 5400
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7375 / 7375	DEF AT first sample examined	DEF AT
7609 / 7609	DEF AT local marker foram increase	DEF AT 4
7610 / 7610	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7970 / 7970	DEF AT reworked material	DEF AT 4
8090 / 8090	DEF AT local marker foram increase	DEF AT 4
8210 / 8210	POS AT local marker foram increase	DEF AT 4
8211 / 8211	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8390 / 8390	DEF AT - - - - -	DEF AT 5
8479 / 8479	POS AT condensed section	DEF AT 6
8480 / 8480	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
8570 / 8570	DEF AT - - - - -	DEF AT 5
8658 / 8658	DEF AT cement	DEF IN 5
8690 / 8690	DEF AT - - - - -	DEF AT 4
8809 / 8809	DEF AT condensed section	DEF AT 6
8810 / 8810	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
8840 / 8840	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 6
8900 / 8900	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
8928 / 8928	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
8929 / 8929	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
8930 / 8930	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 6
8931 / 8931	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
9050 / 9050	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 815  
Lease Number: G18294  
Well Name: 001  
API Well Number: 608174086600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 14-JUN-2008

Date of Summary: 01-APR-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 7375 - 13838  
Ecozone Eq MMS: Y

First Sample Examined: 7375  
Borehole MD: 13837  
Borehole TVD: 13823  
Rkb Elevation: 78  
Water Depth: 5400  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9140 / 9140	DEF AT transported shelf fauna	DEF AT 6
9300 / 9300	DEF AT -----	DEF AT 5
9380 / 9380	DEF AT -----	DEF AT 4
9470 / 9470	DEF AT local marker foram increase	DEF AT 4
9500 / 9500	DEF AT local marker foram increase	DEF AT 5
9530 / 9530	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9560 / 9560	DEF AT sample gap top	DEF AT 5
9703 / 9703	DEF AT sample gap bottom	DEF AT 5
9704 / 9704	DEF AT -----	DEF AT 4
9800 / 9800	DEF AT local marker foram increase	DEF AT 6
9890 / 9890	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
9920 / 9920	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10010 /10010	DEF AT -----	DEF AT 6
10310 /10310	DEF AT -----	DEF AT 6
10400 /10400	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
10430 /10430	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
10460 /10460	DEF AT local marker planktic foram increase	DEF AT 5
10550 /10550	DEF AT -----	DEF AT 5
10610 /10610	DEF AT local marker foram decrease	POS AT 4
10910 /10910	DEF AT local marker foram increase	DEF AT 6
11030 /11030	DEF AT transported shelf fauna	DEF AT 6
11050 /11050	DEF AT -----	DEF AT 5
11179 /11179	POS AT condensed section	DEF AT 6
11180 /11180	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 815  
Lease Number: G18294  
Well Name: 001  
API Well Number: 608174086600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 14-JUN-2008

Date of Summary: 01-APR-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 7375 - 13838  
Ecozone Eq MMS: Y

First Sample Examined: 7375  
Borehole MD: 13837  
Borehole TVD: 13823  
Rkb Elevation: 78  
Water Depth: 5400  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11270 /11270	DEF AT local marker foram decrease	DEF AT 4
11450 /11450	POS IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
11810 /11810	POS AT local marker foram increase	DEF AT 5
11960 /11960	DEF AT local marker planktic foram increase	DEF AT 5
11990 /11990	DEF AT sample gap top	DEF AT 5
12079 /12079	DEF AT sample gap bottom	DEF AT 5
12080 /12080	DEF AT -----	DEF AT 5
12470 /12470	DEF AT local marker foram increase	DEF AT 6
12530 /12530	DEF AT -----	DEF AT 5
12740 /12740	DEF AT transported shelf fauna	DEF AT 4
13000 /12999	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
13030 /13029	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
13070 /13069	DEF AT local marker foram increase	DEF AT 5
13130 /13129	DEF AT -----	DEF AT 4
13350 /13347	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
13370 /13367	DEF AT -----	DEF AT 6
13430 /13427	DEF AT -----	DEF AT 5
13630 /13623	DEF AT transported shelf fauna	DEF AT 4
13810 /13797	DEF AT -----	DEF AT 5
13830 /13816	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 815	<b>Date of Summary:</b> 01-MAR-2000	<b>First Sample Examined:</b> 13780
<b>Lease Number:</b> G18294	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17998
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 17635
<b>API Well Number:</b> 608174086601	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13780 - 17998	<b>Water Depth:</b> 5400
<b>Public Info Code:</b> Y 14-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13780 /13769	DEF AT first sample examined	DEF AT
13800 /13788	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13900 /13884	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
14240 /14201	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14330 /14284	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
15110 /14994	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15620 /15455	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16580 /16327	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17420 /17099	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
17660 /17321	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17998 /17635	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 815	Date of Summary: 01-MAY-2000	First Sample Examined: 13780
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 17998
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17635
API Well Number: 608174086601	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 13780 - 17998	Water Depth: 5400
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 16910=Uvigerina semicostata acme, 17150=increase in Saccamina sp

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13780 /13769	DEF AT first sample examined	DEF AT 5
13781 /13770	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
13820 /13808	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
13880 /13865	DEF AT -----	DEF AT 6
13960 /13941	DEF AT local marker foram increase	DEF AT 6
14000 /13979	DEF AT -----	DEF AT 5
14060 /14035	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14090 /14063	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
14150 /14119	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
14270 /14229	POS AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
14330 /14284	DEF AT local marker foram increase	DEF AT 5
14390 /14339	DEF AT -----	DEF AT 0
14600 /14530	DEF AT -----	DEF AT 4
14630 /14557	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
14690 /14612	DEF AT -----	DEF AT 5
14750 /14667	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14810 /14721	DEF AT -----	DEF AT 4
15110 /14994	DEF AT local marker foram increase	DEF AT 4
16040 /15838	DEF AT -----	DEF AT 5
16130 /15919	DEF AT -----	DEF AT 4
16250 /16028	DEF AT local marker foram increase	DEF AT 4
16310 /16082	DEF AT -----	DEF AT 5

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 815  
Lease Number: G18294  
Well Name: 001  
API Well Number: 608174086601  
Paleo Report Num: 2 of 2  
Public Info Code: Y 14-JUN-2008

Date of Summary: 01-MAY-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 13780 - 17998  
Ecozone Eq MMS: Y

First Sample Examined: 13780  
Borehole MD: 17998  
Borehole TVD: 17635  
Rkb Elevation: 78  
Water Depth: 5400  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16369 /16136	DEF AT local marker foram increase	DEF AT 5
16370 /16136	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
16460 /16218	DEF AT local marker benthic foram increase	DEF AT 5
16550 /16300	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16610 /16354	DEF AT Bathysiphon fauna	DEF AT 5
16730 /16464	DEF AT - - - - -	DEF AT 4
16790 /16519	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
16910 /16629	DEF AT local marker foram increase	DEF AT 5
16970 /16684	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17060 /16767	DEF AT local marker foram increase	DEF AT 5
17090 /16795	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17150 /16850	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17210 /16905	DEF AT - - - - -	DEF AT 4
17390 /17072	DEF AT local marker foram increase	DEF AT 5
17998 /17635	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 819	Date of Summary: 26-JUN-2006	First Sample Examined: 15840
Lease Number: G27312	Source of Paleo: OPERATOR	Borehole MD: 28018
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26348
API Well Number: 608174108700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U:	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 15840 - 28018	Water Depth: 5672
Public Info Code: Y 04-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15840 /14643	DEF AT first sample examined	DEF AT 5
15841 /14644	DEF IN out-of-place section	DEF AT 5
16110 /14895	DEF AT -----	DEF IN 5
16680 /15427	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
16830 /15568	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
17730 /16409	DEF AT -----	DEF AT 3
17970 /16633	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
18360 /16998	DEF AT -----	DEF AT 5
18450 /17082	DEF AT -----	DEF IN 5
18600 /17222	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
18660 /17278	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
19110 /17698	DEF AT -----	DEF AT 4
20850 /19360	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
21360 /19857	DEF AT -----	DEF IN 5
22229 /20704	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
22230 /20705	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
22350 /20822	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 4
23400 /21845	DEF AT -----	DEF AT 5
23520 /21962	DEF AT -----	DEF AT 4
24270 /22694	DEF AT -----	DEF AT 5
24630 /23045	DEF AT -----	DEF AT 6
24840 /23249	DEF AT -----	DEF AT 5

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 819	Date of Summary: 26-JUN-2006	First Sample Examined: 15840
Lease Number: G27312	Source of Paleo: OPERATOR	Borehole MD: 28018
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26348
API Well Number: 608174108700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 15840 - 28018	Water Depth: 5672
Public Info Code: Y 04-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25230 /23630	DEF AT - - - - -	DEF AT 4
25380 /23776	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
25470 /23863	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25860 /24244	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 4
26280 /24653	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
26400 /24769	DEF AT - - - - -	DEF AT 5
27060 /25411	DEF AT - - - - -	DEF IN 5
27450 /25792	DEF AT - - - - -	DEF AT 6
27630 /25968	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
27720 /26056	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 6
27870 /26203	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
28018 /26348	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 819	Date of Summary: 23-NOV-2015	First Sample Examined: 16071
Lease Number: G27312	Source of Paleo: OPERATOR	Borehole MD: 19646
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18309
API Well Number: 608174108701	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 16071 - 19645	Water Depth: 5672
Public Info Code: Y 18-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16071 /14859	DEF AT first sample examined	DEF IN 5
16072 /14860	DEF IN out-of-place section	DEF IN 5
16270 /15045	DEF AT sample gap top	POS IN 5
16987 /15733	DEF AT sample gap bottom	DEF IN 5
16988 /15734	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
16989 /15735	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
16990 /15736	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
17860 /16591	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
18160 /16880	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
18340 /17053	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
18370 /17082	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
18400 /17111	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
19350 /18025	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
19470 /18140	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF IN 5
19645 /18309	DEF AT last sample examined	DEF IN 5

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 819	Date of Summary: 24-NOV-2015	First Sample Examined: 17447
Lease Number: G27312	Source of Paleo: OPERATOR	Borehole MD: 21899
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20325
API Well Number: 608174108702	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U:	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 17447 - 21899	Water Depth: 5672
Public Info Code: Y 18-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17447 /16189	DEF AT first sample examined	DEF IN 5
17448 /16190	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
17460 /16202	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
18930 /17556	DEF AT - - - - -	DEF AT 4
19950 /18416	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT 4
20570 /19013	DEF AT reworked material	DEF AT 4
20690 /19132	DEF AT - - - - -	DEF AT 5
21820 /20247	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
21899 /20325	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 822	Date of Summary: 07-JAN-2001	First Sample Examined: 9950
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 29100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29061
API Well Number: 608174086700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9950 - 29090	Water Depth: 6327
Public Info Code: Y 30-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 16370=Gyroidina scalata, 28430=Lower Oligocene Sphenolithus tribulosus, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9950 / 9950	DEF AT first sample examined	DEF AT 5
10430 /10430	DEF AT -----	DEF AT 5
10700 /10700	DEF AT -----	DEF AT 6
10760 /10760	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10820 /10820	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
10970 /10970	DEF AT -----	DEF AT 6
11090 /11090	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
11150 /11150	DEF AT -----	POS AT 6
11450 /11450	DEF AT -----	DEF AT 6
11510 /11510	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11539 /11539	POS AT unconformity	DEF AT 6
11540 /11540	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11630 /11630	DEF AT -----	POS AT 6
12080 /12079	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12980 /12979	DEF AT -----	DEF AT 7
13190 /13189	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 6
13560 /13558	DEF AT cement	POS AT 6
13760 /13758	DEF AT -----	DEF AT 5
14000 /13998	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
14150 /14148	DEF AT -----	DEF AT 6
14840 /14838	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 822	<b>Date of Summary:</b> 07-JAN-2001	<b>First Sample Examined:</b> 9950
<b>Lease Number:</b> G14658	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29100
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29061
<b>API Well Number:</b> 608174086700	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9950 - 29090	<b>Water Depth:</b> 6327
<b>Public Info Code:</b> Y 30-DEC-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15020 /15018	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
15410 /15407	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
15890 /15887	DEF AT -----	POS AT 5
16160 /16157	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	POS AT 5
16190 /16187	DEF AT -----	DEF AT 5
16310 /16307	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
16370 /16367	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
17510 /17506	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17630 /17626	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
18140 /18134	DEF AT faunal change (no faunal increase)	DEF AT 5
18320 /18314	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
18440 /18433	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	POS AT 5
19130 /19121	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 5
19160 /19150	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
19520 /19508	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 5
19550 /19538	DEF AT -----	DEF AT 5
20450 /20432	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20510 /20492	DEF AT -----	DEF AT 5
21040 /21020	DEF AT -----	DEF AT 6
21190 /21169	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
21210 /21189	DEF AT -----	DEF AT 5
22050 /22028	DEF AT -----	DEF AT 6
22110 /22088	DEF AT -----	DEF AT 5
22300 /22278	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 822	Date of Summary: 07-JAN-2001	First Sample Examined: 9950
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 29100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29061
API Well Number: 608174086700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9950 - 29090	Water Depth: 6327
Public Info Code: Y 30-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23460 /23437	DEF AT - - - - -	DEF AT 6
26820 /26794	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6
27330 /27302	DEF AT - - - - -	POS AT 5
27880 /27848	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	POS AT 5
28170 /28136	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	POS AT 5
28280 /28246	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	POS AT 5
28380 /28345	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	POS AT 5
28430 /28395	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	POS AT 5
28550 /28514	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	POS AT 5
28580 /28543	DEF AT Middle Eocene (Bartonian) Micrantholithus procerus	POS AT 5
28610 /28573	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	POS AT 5
29090 /29049	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 822	Date of Summary: 17-MAR-2002	First Sample Examined: 16350
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 25218
Well Name: TD001	Paleo Done By: OPERATOR	Borehole TVD: 25202
API Well Number: 608174095300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 16350 - 25210	Water Depth: 6262
Public Info Code: Y 28-FEB-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16350 /16345	DEF AT first sample examined	DEF AT 4
16380 /16374	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
16381 /16375	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
17730 /17723	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17790 /17783	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
18150 /18143	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
18180 /18173	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 4
18780 /18773	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
18840 /18833	DEF AT -----	DEF AT 5
19530 /19523	DEF AT -----	DEF AT 4
19680 /19673	DEF AT -----	DEF AT 5
19720 /19713	DEF AT -----	DEF AT 4
19770 /19763	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 4
19890 /19883	DEF AT -----	DEF AT 5
20700 /20692	DEF AT -----	DEF AT 4
20730 /20722	DEF AT -----	DEF AT 5
20910 /20902	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21570 /21562	DEF AT -----	DEF AT 4
22004 /21996	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
22020 /22012	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
22110 /22102	DEF AT -----	DEF AT 5
22170 /22162	DEF AT -----	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 822	<b>Date of Summary:</b> 17-MAR-2002	<b>First Sample Examined:</b> 16350
<b>Lease Number:</b> G14658	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25218
<b>Well Name:</b> TD001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25202
<b>API Well Number:</b> 608174095300	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16350 - 25210	<b>Water Depth:</b> 6262
<b>Public Info Code:</b> Y 28-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22490 /22481	DEF AT -----	DEF AT 5
24150 /24138	DEF AT -----	DEF AT 6
24270 /24258	DEF AT -----	DEF AT 5
24660 /24647	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
24700 /24686	DEF AT -----	DEF AT 5
25210 /25194	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 822	Date of Summary: 30-JUN-2005	First Sample Examined: 16637
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 23546
Well Name: TD001	Paleo Done By: OPERATOR	Borehole TVD: 22453
API Well Number: 608174095301	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 16637 - 23534	Water Depth: 6262
Public Info Code: Y 12-JUN-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16637 /16630	DEF AT first sample examined	DEF AT
16860 /16853	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
17400 /17390	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
17700 /17689	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18240 /18224	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
18900 /18859	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
18930 /18887	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22560 /21725	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22650 /21791	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23534 /22444	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 822	Date of Summary: 14-FEB-2006	First Sample Examined: 21450
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 24388
Well Name: TD001	Paleo Done By: OPERATOR	Borehole TVD: 22977
API Well Number: 608174095302	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 21450 - 24288	Water Depth: 6262
Public Info Code: Y 10-DEC-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Thunder Horse Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21450 /20917	DEF AT first sample examined	DEF AT
22580 /21716	DEF AT condensed section	DEF AT
22589 /21722	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22590 /21723	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24288 /22906	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 849	Date of Summary: 10-APR-2002	First Sample Examined: 6258
Lease Number: G21188	Source of Paleo: OPERATOR	Borehole MD: 16227
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15500
API Well Number: 608174097900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6258 - 16227	Water Depth: 3599
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6258 / 6258	DEF AT first sample examined	DEF AT 5
7260 / 7247	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8040 / 7955	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8850 / 8621	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9150 / 8865	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10140 / 9669	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10740 /10162	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10980 /10365	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13680 /12953	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14430 /13703	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16227 /15500	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 849	Date of Summary: 10-APR-2002	First Sample Examined: 6258
Lease Number: G21188	Source of Paleo: OPERATOR	Borehole MD: 16227
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15500
API Well Number: 608174097900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 6258 - 16227	Water Depth: 3599
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6258 / 6258	DEF AT first sample examined	DEF AT
6990 / 6985	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7650 / 7610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8850 / 8621	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9030 / 8767	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10110 / 9645	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10680 /10112	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10740 /10162	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10860 /10263	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10920 /10314	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13350 /12623	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14760 /14033	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15990 /15263	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16227 /15500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 854	Date of Summary: 12-APR-1999	First Sample Examined: 5830
Lease Number: G09883	Source of Paleo: OPERATOR	Borehole MD: 19476
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 19463
API Well Number: 608174038500	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 4990 - 19475	Water Depth: 4020
Public Info Code: Y 30-NOV-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5830 / 5830	DEF AT first sample examined	DEF AT
5860 / 5860	DEF IN Upper Pleistocene (Ionian) Pontosphaera indooceanica	DEF AT 4
6970 / 6970	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT 4
7270 / 7270	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
8680 / 8680	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 4
8710 / 8710	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT 4
9040 / 9040	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
9310 / 9310	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9490 / 9490	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
9640 / 9640	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
10840 /10840	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
11410 /11410	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
12250 /12250	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
12340 /12340	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
14440 /14439	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
16920 /16916	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
17290 /17286	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
19090 /19080	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
19450 /19437	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
19475 /19462	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 859	Date of Summary: 04-FEB-2006	First Sample Examined: 9180
Lease Number: G16652	Source of Paleo: OPERATOR	Borehole MD: 12075
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12075
API Well Number: 608174108000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 9180 - 12030	Water Depth: 5665
Public Info Code: Y 17-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for detail

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9180 / 9180	DEF AT first sample examined	DEF AT
9300 / 9300	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9360 / 9360	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9480 / 9480	DEF AT local marker floral decrease	DEF AT
9719 / 9719	DEF AT floral flood	DEF AT
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9780 / 9780	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9840 / 9840	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9900 / 9900	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9960 / 9960	DEF AT local marker floral increase	DEF AT
10260 /10260	DEF AT local marker floral decrease	DEF AT
10440 /10440	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10500 /10500	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10620 /10620	DEF AT local marker floral decrease	DEF AT
10740 /10740	DEF AT local marker floral increase	DEF AT
10800 /10800	DEF AT local marker floral decrease	DEF AT
10860 /10860	DEF AT local marker floral increase	DEF AT
11160 /11160	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11340 /11340	DEF AT Lower Pliocene (Zanclian) Discoaster surculus (acme)	DEF AT
11460 /11460	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11490 /11490	DEF AT local marker floral decrease	DEF AT
11520 /11520	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 859	<b>Date of Summary:</b> 04-FEB-2006	<b>First Sample Examined:</b> 9180
<b>Lease Number:</b> G16652	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12075
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12075
<b>API Well Number:</b> 608174108000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9180 - 12030	<b>Water Depth:</b> 5665
<b>Public Info Code:</b> Y 17-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11580 /11580	DEF AT local marker floral decrease	DEF AT
11760 /11760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11879 /11879	DEF AT floral flood	DEF AT
11880 /11880	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
11940 /11940	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
12000 /12000	DEF AT local marker floral decrease	DEF AT
12030 /12030	DEF AT floral flood	DEF AT
12075 /12075	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 859	Date of Summary: 25-SEP-2006	First Sample Examined: 9180
Lease Number: G16652	Source of Paleo: OPERATOR	Borehole MD: 12075
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12075
API Well Number: 608174108000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 9180 - 12075	Water Depth: 5665
Public Info Code: Y 17-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9180 / 9180	DEF AT first sample examined	DEF AT 5
9240 / 9240	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9270 / 9270	DEF AT foram flood	DEF AT 5
9300 / 9300	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
9450 / 9450	DEF AT local marker foram decrease	DEF AT 5
9570 / 9570	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9600 / 9600	DEF AT local marker foram decrease	DEF AT 5
9719 / 9719	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9780 / 9780	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9839 / 9839	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9840 / 9840	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9899 / 9899	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9900 / 9900	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10050 /10050	DEF AT transported shelf fauna	DEF AT 5
10110 /10110	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10769 /10769	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10770 /10770	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10890 /10890	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
11100 /11100	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11190 /11190	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
11310 /11310	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 859	Date of Summary: 25-SEP-2006	First Sample Examined: 9180
Lease Number: G16652	Source of Paleo: OPERATOR	Borehole MD: 12075
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12075
API Well Number: 608174108000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 9180 - 12075	Water Depth: 5665
Public Info Code: Y 17-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11669 /11669	DEF AT transported shelf fauna	DEF AT 5
11670 /11670	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
11760 /11760	DEF AT local marker benthic foram increase	DEF AT 5
11910 /11910	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
12000 /12000	DEF AT local marker benthic foram increase	DEF AT 5
12030 /12030	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
12075 /12075	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 12-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 8950 - 17955	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8950 / 8950	DEF AT first sample examined	DEF AT 5
8951 / 8951	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9070 / 9070	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9100 / 9100	DEF AT local marker foram increase	DEF AT 5
9310 / 9310	DEF AT pyrite	DEF AT 5
9340 / 9340	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9370 / 9370	DEF AT foram flood	DEF AT 5
9430 / 9430	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
9580 / 9580	DEF AT local marker foram decrease	DEF AT 5
9760 / 9760	DEF AT drilling material	DEF IN 4
9880 / 9880	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
9910 / 9910	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9940 / 9940	DEF AT foram flood	DEF IN 5
10030 /10030	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
10060 /10060	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10120 /10120	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10180 /10180	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10240 /10240	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10270 /10270	DEF AT local marker foram decrease	DEF IN 5
10300 /10300	DEF AT local marker benthic foram increase	DEF IN 5
10360 /10360	DEF AT local marker foram decrease	DEF IN 5
10390 /10390	DEF AT faunal change (no faunal increase)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860  
Lease Number: G18301  
Well Name: 001  
API Well Number: 608174101900  
Paleo Report Num: 1 of 2  
Public Info Code: Y 14-JUN-2008

Date of Summary: 12-OCT-2003  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 8950 - 17955  
Ecozone Eq MMS: Y

First Sample Examined: 8950  
Borehole MD: 17955  
Borehole TVD: 17955  
Rkb Elevation: 75  
Water Depth: 5657  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10480 /10480	DEF AT pyrite	DEF AT 5
10570 /10570	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10720 /10720	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10750 /10750	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10840 /10840	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
10869 /10869	DEF AT pyrite	DEF AT 5
10870 /10870	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
10900 /10900	DEF AT drilling material	DEF AT 5
10960 /10960	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10990 /10990	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11020 /11020	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11080 /11080	DEF AT pyrite	DEF AT 5
11110 /11110	DEF AT drilling material	DEF AT 5
11170 /11170	DEF AT local marker benthic foram increase	DEF AT 5
11200 /11200	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
11230 /11230	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11259 /11259	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
11260 /11260	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
11290 /11290	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
11320 /11320	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11410 /11410	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
11440 /11440	DEF AT local marker foram decrease	DEF AT 5
11470 /11470	DEF AT salt	DEF AT 5
17929 /17929	DEF AT base of salt	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 860	<b>Date of Summary:</b> 12-OCT-2003	<b>First Sample Examined:</b> 8950
<b>Lease Number:</b> G18301	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17955
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17955
<b>API Well Number:</b> 608174101900	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8950 - 17955	<b>Water Depth:</b> 5657
<b>Public Info Code:</b> Y 14-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17930 /17930	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
17955 /17955	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 14-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 8950 - 11470	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8950 / 8950	DEF AT first sample examined	DEF AT
8951 / 8951	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8980 / 8980	DEF AT local marker floral decrease	DEF AT
9100 / 9100	DEF AT floral flood	DEF AT
9190 / 9190	DEF AT local marker floral decrease	DEF AT
9280 / 9280	DEF AT local marker floral increase	DEF AT
9310 / 9310	DEF AT floral flood	DEF AT
9340 / 9340	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9370 / 9370	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9430 / 9430	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9460 / 9460	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9520 / 9520	DEF AT local marker floral decrease	DEF AT
9730 / 9730	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9760 / 9760	DEF AT local marker floral decrease	DEF AT
9820 / 9820	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9910 / 9910	DEF AT floral flood	DEF AT
10000 /10000	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10030 /10030	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
10060 /10060	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10120 /10120	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10300 /10300	DEF AT local marker floral decrease	DEF AT
10480 /10480	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860  
Lease Number: G18301  
Well Name: 001  
API Well Number: 608174101900  
Paleo Report Num: 2 of 2  
Public Info Code: Y 14-JUN-2008

Date of Summary: 14-OCT-2003  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 8950 - 11470  
Ecozone Eq MMS: N

First Sample Examined: 8950  
Borehole MD: 17955  
Borehole TVD: 17955  
Rkb Elevation: 75  
Water Depth: 5657  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10720 /10720	DEF AT local marker floral decrease	DEF AT
10810 /10810	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10870 /10870	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10930 /10930	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10990 /10990	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
11020 /11020	DEF AT local marker floral decrease	DEF AT
11050 /11050	DEF AT floral flood	DEF AT
11110 /11110	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11140 /11140	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
11200 /11200	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11230 /11230	DEF AT local marker floral decrease	DEF AT
11260 /11260	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11290 /11290	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11320 /11320	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11380 /11380	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
11410 /11410	DEF AT out-of-place section	DEF AT
11470 /11470	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 18-NOV-2003	First Sample Examined: 17930
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 19157
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19139
API Well Number: 608174101901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 17930 - 19157	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17930 /17922	DEF AT first sample examined	POS AT 5
17931 /17923	DEF IN salt	POS AT 5
18139 /18129	DEF AT base of salt	DEF AT 5
18140 /18130	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
18200 /18190	DEF AT local marker planktic foram increase	DEF AT 5
18379 /18368	DEF AT turbid water facies	POS AT 5
18380 /18369	DEF AT local white Arenacous fauna	POS AT 5
18410 /18399	DEF AT - - - - -	DEF AT 5
18440 /18428	DEF AT local marker foram decrease	DEF AT 5
18470 /18458	DEF AT turbid water facies	POS AT 5
18530 /18518	DEF AT - - - - -	DEF AT 5
18550 /18538	DEF AT turbid water facies	POS AT 5
18590 /18577	DEF AT - - - - -	DEF AT 5
18650 /18637	DEF AT foram flood	DEF AT 5
18670 /18657	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
18710 /18696	DEF AT Bathysiphon fauna	DEF AT 5
18740 /18726	DEF AT turbid water facies	POS AT 5
18770 /18756	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
18800 /18786	DEF AT pyrite	DEF AT 5
18830 /18815	DEF AT local marker foram increase	DEF AT 5
18950 /18934	DEF AT local marker foram decrease	DEF AT 5
18960 /18944	DEF AT local marker planktic foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> MC 860	<b>Date of Summary:</b> 18-NOV-2003	<b>First Sample Examined:</b> 17930
<b>Lease Number:</b> G18301	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19157
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 19139
<b>API Well Number:</b> 608174101901	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17930 - 19157	<b>Water Depth:</b> 5657
<b>Public Info Code:</b> Y 14-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19010 /18994	DEF AT local marker foram decrease	DEF IN 4
19070 /19053	DEF AT pyrite	DEF IN 4
19100 /19083	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 03-DEC-2003	First Sample Examined: 18140
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 19157
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19139
API Well Number: 608174101901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 18140 - 19157	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18140 /18130	DEF AT first sample examined	DEF AT
18141 /18131	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18200 /18190	DEF AT local marker floral decrease	DEF AT
18320 /18309	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18440 /18428	DEF AT local marker floral decrease	DEF AT
18650 /18637	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18680 /18667	DEF AT local marker floral decrease	DEF AT
18890 /18875	DEF AT floral flood	DEF AT
18920 /18905	DEF AT local marker floral decrease	DEF AT
18980 /18964	POS AT local marker floral increase	DEF AT
19010 /18994	POS AT local marker floral decrease	DEF AT
19137 /19119	POS AT local marker floral increase	DEF AT
19157 /19139	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 01-AUG-2007	First Sample Examined: 16560
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 4	Sample Range: 16560 - 27070	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Big North Prospect, calcareous nannofossil report, paleo done by JMC of subsalt section, nannospecies abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16560 /16553	DEF AT first sample examined	DEF AT
16561 /16554	DEF IN out-of-place section	DEF AT
16790 /16781	DEF IN Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
16880 /16869	DEF AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT
17380 /17363	DEF AT floral flood	DEF AT
19610 /19491	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT
21020 /20602	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
21640 /21087	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
22360 /21642	DEF AT floral flood	DEF AT
22510 /21760	DEF AT floral flood	DEF AT
24970 /23697	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i> (acme)	DEF AT
26050 /24543	DEF AT Middle Miocene (Langhian) <i>Helicosphaera ampliaperta</i>	DEF AT
27070 /	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 08-AUG-2007	First Sample Examined: 9320
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 4	Sample Range: 9320 - 11510	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Big North Prospect, calcareous nannofossil report, paleo done by Anatoliy Shumnuk, nannospecies abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9320 / 9320	DEF AT first sample examined	DEF AT
9321 / 9321	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9470 / 9470	DEF AT floral flood	DEF AT
9500 / 9500	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9530 / 9530	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9560 / 9560	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9680 / 9680	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9830 / 9830	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9890 / 9890	DEF AT local marker floral decrease	DEF AT
9920 / 9920	DEF AT local marker floral increase	DEF AT
10010 /10010	DEF AT floral flood	DEF AT
10130 /10130	DEF AT local marker floral decrease	DEF AT
10190 /10190	DEF AT floral flood	DEF AT
10250 /10250	DEF AT local marker floral decrease	DEF AT
10280 /10280	DEF AT floral flood	DEF AT
10430 /10430	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10520 /10520	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10580 /10580	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10700 /10700	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10910 /10910	DEF AT local marker floral decrease	DEF AT
10970 /10970	DEF AT floral flood	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860  
Lease Number: G18301  
Well Name: 003  
API Well Number: 608174112800  
Paleo Report Num: 2 of 4  
Public Info Code: Y 14-JUN-2008

Date of Summary: 08-AUG-2007  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 9320 - 11510  
Ecozone Eq MMS:

First Sample Examined: 9320  
Borehole MD: 26979  
Borehole TVD: 25274  
Rkb Elevation: 92  
Water Depth: 5667  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /11000	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11090 /11090	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11210 /11210	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11240 /11240	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11270 /11270	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11420 /11420	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11450 /11450	DEF IN salt	DEF AT
11510 /11510	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 860	<b>Date of Summary:</b> 15-AUG-2007	<b>First Sample Examined:</b> 9319
<b>Lease Number:</b> G18301	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26979
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25274
<b>API Well Number:</b> 608174112800	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 9319 - 11450	<b>Water Depth:</b> 5667
<b>Public Info Code:</b> Y 14-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Big North Prospect, paleo done by Rome Lytton II, foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9319 / 9319	DEF AT first sample examined	DEF IN 4
9320 / 9320	DEF IN cement	DEF IN 4
9470 / 9470	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9500 / 9500	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
9530 / 9530	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9560 / 9560	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9589 / 9589	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9590 / 9590	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9619 / 9619	DEF AT pyrite	DEF IN 5
9620 / 9620	DEF AT local marker foram decrease	DEF IN 5
9710 / 9710	DEF AT local marker planktic foram increase	DEF IN 5
9770 / 9770	DEF AT local marker foram decrease	DEF AT 5
9890 / 9890	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
9920 / 9920	DEF AT faunal change (no faunal increase)	DEF IN 5
9950 / 9950	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
9980 / 9980	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10070 /10070	DEF AT pyrite	DEF IN 5
10309 /10309	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
10310 /10310	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
10430 /10430	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10489 /10489	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
10490 /10490	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 15-AUG-2007	First Sample Examined: 9319
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 4	Sample Range: 9319 - 11450	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 /10520	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10550 /10550	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
10699 /10699	DEF AT pyrite	DEF IN 5
10700 /10700	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 5
10820 /10820	DEF AT local marker foram decrease	DEF IN 5
10970 /10970	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 5
11060 /11060	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
11180 /11180	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
11270 /11270	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11300 /11300	DEF AT reworked material	DEF IN 5
11420 /11420	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
11450 /11450	DEF AT last sample examined	DEF IN 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

**Remark:** Big North Prospect, paleo done by Bruce Desselle, foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13264 /13264	DEF AT first sample examined	DEF AT 4
13265 /13265	DEF IN out-of-place section	DEF AT 4
16520 /16514	DEF AT reworked material	DEF AT 4
16610 /16603	DEF AT faunal change (no faunal increase)	DEF AT 5
16640 /16632	DEF AT foram flood	DEF AT 5
16730 /16721	DEF AT reworked material	DEF AT 5
16940 /16929	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
17120 /17106	DEF AT reworked material	DEF AT 5
17390 /17373	DEF AT reworked material	DEF AT 4
17420 /17402	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
17450 /17432	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5
17480 /17461	DEF AT local marker foram decrease	DEF AT 5
17540 /17520	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17600 /17580	DEF AT local marker foram decrease	DEF AT 5
18020 /17994	DEF AT local marker foram decrease	DEF IN 4
18080 /18053	DEF AT faunal change (no faunal increase)	DEF AT 5
18110 /18083	DEF AT pyrite	DEF AT 5
18170 /18142	DEF AT local white Arenaceous fauna	DEF AT 5
18200 /18171	DEF AT pyrite	DEF AT 5
18620 /18583	DEF AT Cyclammina sp. (local marker)	DEF AT 5
18710 /18671	DEF AT local marker foram decrease	DEF AT 5
19370 /19284	DEF AT faunal change (no faunal increase)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19640 /19516	DEF AT local marker deep water fauna	DEF AT 6
19700 /19566	DEF AT local marker foram decrease	DEF AT 4
19730 /19591	DEF AT pyrite	DEF AT 4
19760 /19616	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
19880 /19712	DEF AT - - - - -	DEF IN 4
20119 /19898	DEF AT Eggerella sp. (local marker)	POS IN 4
20120 /19899	DEF AT turbid water facies	POS IN 4
20330 /20063	DEF AT local marker foram increase	POS IN 4
20360 /20086	DEF AT faunal change (no faunal increase)	DEF AT 4
20390 /20110	DEF AT local marker foram decrease	DEF AT 4
20480 /20180	DEF AT - - - - -	DEF AT 5
20509 /20203	DEF AT Bathysiphon fauna	POS AT 5
20510 /20204	DEF AT turbid water facies	POS AT 5
20570 /20250	DEF AT local marker foram decrease	DEF AT 5
20600 /20274	DEF AT turbid water facies	POS AT 5
20749 /20390	DEF AT Arenaceous fauna (local marker)	POS AT 5
20750 /20391	DEF AT foram flood	POS AT 5
20840 /20461	DEF AT Arenaceous fauna (local marker)	POS AT 5
20870 /20485	DEF AT Bathysiphon fauna	POS AT 5
20960 /20555	DEF AT local marker foram decrease	POS AT 5
21940 /21317	DEF AT Arenaceous fauna (local marker)	POS AT 5
22000 /21363	DEF AT local marker foram decrease	POS AT 5
22090 /21432	DEF AT pyrite	DEF AT 5
22180 /21502	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860  
Lease Number: G18301  
Well Name: 003  
API Well Number: 608174112800  
Paleo Report Num: 4 of 4  
Public Info Code: Y 14-JUN-2008

Date of Summary: 02-NOV-2007  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 13264 - 26978  
Ecozone Eq MMS: Y

First Sample Examined: 13264  
Borehole MD: 26979  
Borehole TVD: 25274  
Rkb Elevation: 92  
Water Depth: 5667  
Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22300 /21595	DEF AT faunal change (no faunal increase)	DEF AT 4
22390 /21665	DEF AT - - - - -	DEF AT 5
22595 /21827	DEF AT - - - - -	DEF AT 4
22660 /21878	DEF AT faunal change (no faunal increase)	DEF AT 5
22899 /22066	DEF AT Bathysiphon fauna	POS AT 5
22900 /22067	DEF AT turbid water facies	POS AT 5
22990 /22138	DEF AT faunal change (no faunal increase)	DEF AT 5
23080 /22209	DEF AT local marker planktic foram increase	DEF AT 5
23110 /22232	DEF AT Bathysiphon fauna	DEF AT 5
23200 /22303	DEF AT turbid water facies	POS AT 5
23350 /22421	DEF AT local marker planktic foram increase	DEF AT 5
23380 /22445	DEF AT foram flood	DEF AT 5
23590 /22610	DEF AT turbid water facies	POS AT 5
23680 /22681	DEF AT Arenaceous fauna (local marker)	POS AT 5
24460 /23295	DEF AT Bathysiphon fauna	POS AT 5
24520 /23343	DEF AT local marker foram increase	DEF AT 4
24730 /23508	DEF AT turbid water facies	POS AT 4
24760 /23532	DEF AT faunal change (no faunal increase)	DEF AT 4
24820 /23579	DEF AT local marker foram decrease	DEF AT 4
24850 /23602	DEF AT faunal change (no faunal increase)	DEF AT 5
24910 /23650	DEF AT transported shelf fauna	POS AT 5
25029 /23743	DEF AT pyrite	POS AT 5
25030 /23744	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	POS AT 5
25210 /23885	DEF AT faunal change (no faunal increase)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25360 /24002	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25390 /24026	DEF AT pyrite	DEF AT 4
25660 /24237	DEF AT local marker foram increase	DEF AT 5
25750 /24308	DEF AT local marker foram decrease	DEF AT 4
26020 /24520	POS AT local marker foram increase	DEF AT 5
26049 /24543	POS AT glauconite	DEF AT 5
26050 /24543	DEF AT foram flood	DEF AT 5
26139 /24613	POS AT glauconite	DEF AT 5
26140 /24614	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
26230 /24685	DEF AT local marker foram decrease	DEF IN 4
26320 /24756	DEF AT local marker planktic foram increase	DEF AT 5
26439 /24849	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26440 /24850	DEF AT local marker planktic foram increase	DEF AT 5
26500 /24897	DEF AT local marker foram decrease	DEF IN 4
26860 /25180	DEF AT transported shelf fauna	DEF IN 4
26950 /25251	DEF AT foram flood	DEF AT 5
26976 /25271	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 01-SEP-2007	First Sample Examined: 26980
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 26980 - 29780	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Big North Prospect, calcareous nannofossil report, paleo done by Anatoliy Shumnuk, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26980 /25300	DEF AT first sample examined	DEF AT
26981 /25300	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27020 /25333	DEF AT local marker floral decrease	DEF AT
27110 /25408	DEF AT local marker floral increase	DEF AT
27200 /25485	DEF AT local marker floral decrease	DEF AT
27350 /25612	DEF AT local marker floral increase	DEF AT
27410 /25664	DEF AT local marker floral decrease	DEF AT
27490 /25733	DEF AT floral flood	DEF AT
27540 /25776	DEF AT local marker floral decrease	DEF AT
27860 /26056	DEF AT floral flood	DEF AT
28010 /26190	DEF AT local marker floral decrease	DEF AT
28130 /26297	DEF AT local marker floral increase	DEF AT
28219 /26377	DEF AT floral flood	DEF AT
28220 /26378	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
28460 /26595	DEF AT local marker floral decrease	DEF AT
28700 /26813	DEF AT floral flood	DEF AT
28910 /27006	DEF AT local marker floral decrease	DEF AT
28970 /27061	DEF AT floral flood	DEF AT
29150 /27228	DEF AT local marker floral decrease	DEF AT
29240 /27312	DEF AT reworked material	DEF AT
29389 /27451	DEF AT floral flood	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 01-SEP-2007	First Sample Examined: 26980
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 26980 - 29780	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29390 /27452	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
29600 /27649	DEF AT local marker floral decrease	DEF AT
29750 /27790	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnoides	DEF AT
29780 /27818	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 09-NOV-2007	First Sample Examined: 27020
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 27020 - 29820	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Big North Prospect, paleo done by Bruce Desselle, foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27020 /25333	DEF AT first sample examined	DEF AT 5
27021 /25334	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
27259 /25535	DEF AT Bathysiphon fauna	DEF AT 5
27260 /25535	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
27350 /25612	DEF AT transported inner shelf facies	POS AT 5
27380 /25638	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
27410 /25664	DEF AT local marker foram decrease	DEF AT 5
27500 /25741	DEF AT local marker planktic foram increase	DEF AT 5
27679 /25897	DEF AT pyrite	POS AT 5
27680 /25898	DEF AT transported inner shelf facies	POS AT 5
27710 /25924	DEF AT local marker foram decrease	POS AT 5
27860 /26056	DEF AT foram flood	DEF AT 5
27920 /26110	DEF AT local marker foram decrease	DEF AT 5
27980 /26163	DEF AT Bathysiphon fauna	DEF AT 5
28070 /26244	DEF AT pyrite	DEF AT 5
28130 /26297	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 5
28220 /26378	DEF AT foram flood	DEF AT 5
28340 /26486	DEF AT local marker benthic foram increase	DEF AT 5
28460 /26595	DEF AT local marker foram decrease	DEF IN 4
28700 /26813	DEF AT local marker deep water fauna	DEF AT 5
28850 /26951	DEF AT faunal change (no faunal increase)	DEF IN 4
28970 /27061	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 860	Date of Summary: 09-NOV-2007	First Sample Examined: 27020
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 27020 - 29820	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29000 /27089	DEF AT foram flood	DEF AT 5
29120 /27200	DEF AT pyrite	DEF AT 5
29240 /27312	DEF AT siltstone	DEF AT 5
29360 /27424	DEF AT transported inner shelf facies	POS AT 5
29390 /27452	POS IN Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
29419 /27479	DEF AT Bathysiphon fauna	DEF IN 4
29420 /27480	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF IN 4
29480 /27536	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 4
29540 /27592	DEF AT Eggerella sp. (local marker)	DEF IN 4
29690 /27733	DEF AT turbid water facies	POS IN 4
29720 /27762	DEF AT faunal change (no faunal increase)	DEF IN 4
29779 /27817	DEF AT turbid water facies	POS IN 4
29780 /27818	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS IN 4
29820 /27856	DEF AT last sample examined	POS IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 864	Date of Summary: 02-MAR-2001	First Sample Examined: 12085
Lease Number: G15519	Source of Paleo: OPERATOR	Borehole MD: 18675
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18134
API Well Number: 608174091300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 3	Sample Range: 12085 - 13460	Water Depth: 6265
Public Info Code: Y 23-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Ken Prospect, 12980=Globigerina nepenthes cortex types and Uvigerina perigrina flood

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12085 /12076	DEF AT first sample examined	POS AT 5
12086 /12077	POS AT Oligocene Vicksburg Group/Provincial Stage	POS AT 5
12105 /12096	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
12140 /12131	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12560 /12549	POS IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12770 /12759	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12860 /12849	POS IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
12979 /12968	DEF AT foram flood	DEF AT 5
12980 /12969	POS IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
13248 /13237	DEF AT pyrite	DEF IN 5
13249 /13238	POS AT local marker planktic foram increase	DEF IN 5
13250 /13239	POS AT Oligocene	DEF IN 5
13460 /13448	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 864	Date of Summary: 03-AUG-2001	First Sample Examined: 4170
Lease Number: G15519	Source of Paleo: OPERATOR	Borehole MD: 18675
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18134
API Well Number: 608174091300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 4170 - 18675	Water Depth: 6265
Public Info Code: Y 23-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Ken Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4170 / 4170	DEF AT first sample examined	DEF AT
12080 /12072	DEF AT -----	DEF IN 4
12085 /12076	DEF AT base of salt	DEF IN 4
12140 /12131	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
12230 /12220	DEF AT -----	DEF IN 2
12290 /12280	DEF AT -----	DEF AT 4
12410 /12399	DEF AT -----	DEF AT 2
12470 /12459	DEF AT -----	DEF AT
12530 /12519	DEF AT -----	DEF IN 4
12830 /12819	DEF AT -----	DEF AT 2
12890 /12879	DEF AT -----	DEF AT 5
13070 /13059	DEF AT -----	DEF AT 2
13130 /13119	DEF AT -----	DEF IN 3
13190 /13179	DEF AT -----	DEF IN 2
13250 /13239	DEF AT -----	DEF AT 2
13310 /13298	DEF AT -----	DEF IN 1
13370 /13358	DEF AT -----	DEF AT 2
13430 /13418	DEF AT -----	DEF AT 4
13490 /13478	DEF AT -----	DEF AT 2
13550 /13538	DEF AT -----	DEF AT 4
13670 /13657	DEF AT -----	DEF IN 3
13790 /13777	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 864  
Lease Number: G15519  
Well Name: 001  
API Well Number: 608174091300  
Paleo Report Num: 2 of 3  
Public Info Code: Y 23-JUN-2004

Date of Summary: 03-AUG-2001  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 4170 - 18675  
Ecozone Eq MMS: Y

First Sample Examined: 4170  
Borehole MD: 18675  
Borehole TVD: 18134  
Rkb Elevation: 92  
Water Depth: 6265  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13850 /13836	DEF AT -----	DEF AT 3
13910 /13896	DEF AT -----	DEF IN 1
13970 /13956	DEF AT -----	DEF AT 3
14030 /14016	DEF AT -----	DEF IN 3
14090 /14075	DEF AT -----	DEF AT 3
14150 /14135	DEF AT -----	DEF IN 2
14210 /14195	DEF AT -----	DEF AT 2
14330 /14314	DEF AT -----	DEF IN 2
14390 /14373	DEF AT -----	DEF AT 3
14420 /14402	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 3
14570 /14549	DEF AT -----	DEF AT 2
14630 /14607	DEF AT -----	DEF AT 5
14870 /14836	DEF AT -----	DEF IN 3
14930 /14892	DEF AT -----	DEF AT 3
14990 /14947	DEF AT -----	DEF AT 4
15170 /15112	DEF AT -----	DEF AT 5
15230 /15166	DEF AT -----	DEF IN 2
15290 /15220	DEF AT -----	DEF IN 3
15410 /15329	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
15470 /15383	DEF AT -----	DEF IN 3
15530 /15437	DEF AT -----	DEF AT 3
15590 /15491	DEF AT -----	DEF IN 3
15650 /15545	DEF AT -----	DEF AT 5
15710 /15599	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 864  
Lease Number: G15519  
Well Name: 001  
API Well Number: 608174091300  
Paleo Report Num: 2 of 3  
Public Info Code: Y 23-JUN-2004

Date of Summary: 03-AUG-2001  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 4170 - 18675  
Ecozone Eq MMS: Y

First Sample Examined: 4170  
Borehole MD: 18675  
Borehole TVD: 18134  
Rkb Elevation: 92  
Water Depth: 6265  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15770 /15653	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
15830 /15706	DEF AT -----	DEF IN 3
15890 /15760	DEF AT -----	DEF AT 3
15950 /15814	DEF AT -----	DEF AT 2
16070 /15922	DEF AT -----	DEF AT 4
16130 /15976	DEF AT -----	DEF AT 3
16190 /16029	DEF AT -----	DEF AT 2
16310 /16137	DEF AT -----	DEF AT 3
16430 /16243	DEF AT -----	DEF IN 3
16490 /16296	DEF AT -----	DEF AT 2
16610 /16401	DEF AT -----	DEF IN 2
16670 /16454	DEF AT -----	DEF IN 4
16730 /16506	DEF AT -----	DEF AT 2
16790 /16559	DEF AT -----	DEF AT 5
16850 /16611	DEF AT -----	DEF AT 4
16910 /16663	DEF AT -----	DEF IN 4
16970 /16715	DEF AT -----	DEF IN 2
17000 /16740	DEF AT -----	DEF IN 4
17150 /16866	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
17180 /16891	DEF AT -----	DEF AT 4
17240 /16942	DEF AT -----	DEF AT 2
17300 /16992	DEF AT -----	DEF AT 3
17360 /17043	DEF AT -----	DEF AT 2
17780 /17402	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 864	Date of Summary: 03-AUG-2001	First Sample Examined: 4170
Lease Number: G15519	Source of Paleo: OPERATOR	Borehole MD: 18675
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18134
API Well Number: 608174091300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 4170 - 18675	Water Depth: 6265
Public Info Code: Y 23-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17900 /17504	DEF AT -----	DEF AT 2
18020 /17603	DEF AT -----	DEF AT 3
18320 /17847	DEF AT -----	DEF AT 2
18440 /17944	DEF AT -----	DEF AT 3
18620 /18090	DEF AT -----	DEF AT 2
18650 /18114	DEF AT last sample examined	POS AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 864	Date of Summary: 09-AUG-2001	First Sample Examined: 9170
Lease Number: G15519	Source of Paleo: OPERATOR	Borehole MD: 18675
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18134
API Well Number: 608174091300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 3	Sample Range: 9170 - 18650	Water Depth: 6265
Public Info Code: Y 23-JUN-2004	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Ken Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9170 / 9170	DEF AT first sample examined	DEF AT
12050 /12042	POS AT Oligocene	DEF AT
12051 /12043	POS AT Eocene	DEF AT
12140 /12131	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14420 /14402	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15290 /15220	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16850 /16611	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17150 /16866	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18650 /18114	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 876	Date of Summary: 06-MAR-2001	First Sample Examined: 10600
Lease Number: G21191	Source of Paleo: OPERATOR	Borehole MD: 20780
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20377
API Well Number: 608174090700	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 10600 - 20807	Water Depth: 7787
Public Info Code: Y 09-MAR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 20740=mixed Early Campanian to Late Oligocene fauna, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10600 /10600	DEF AT first sample examined	DEF AT 5
12070 /12070	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12130 /12130	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
12220 /12220	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12520 /12519	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12850 /12849	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12910 /12909	DEF AT faunal change (no faunal increase)	DEF AT 6
13030 /13029	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13450 /13449	DEF AT faunal change (no faunal increase)	DEF AT 5
14200 /14199	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
14890 /14889	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15880 /15853	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16990 /16864	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
19750 /19393	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
20020 /19648	DEF AT sample gap top	POS AT 5
20120 /19743	DEF AT sample gap bottom	DEF AT 5
20170 /19791	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
20410 /20020	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
20739 /20337	POS AT Oligocene	DEF AT 6
20740 /20338	POS IN Upper Cretaceous Campanian Stage	DEF AT 6
20807 /	DEF AT last sample examined	DEF AT 6

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 876	Date of Summary: 30-MAR-2001	First Sample Examined: 10600
Lease Number: G21191	Source of Paleo: OPERATOR	Borehole MD: 20780
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20377
API Well Number: 608174090700	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 10600 - 20807	Water Depth: 7787
Public Info Code: Y 09-MAR-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 17320=may not be the true LAD, possibly reworked with clastic influx, 20740=mixed Late Cretaceous (Campanian) and Eocene flora, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10600 /10600	DEF AT first sample examined	DEF AT
10750 /10750	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12100 /12100	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12190 /12190	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12370 /12369	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12430 /12429	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12730 /12729	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12760 /12759	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12790 /12789	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13030 /13029	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13330 /13329	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13960 /13959	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
14560 /14559	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus (increase)	DEF AT
14590 /14589	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14890 /14889	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15160 /15158	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15670 /15655	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16840 /16728	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17140 /17000	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19060 /18753	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
19300 /18974	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 876	<b>Date of Summary:</b> 30-MAR-2001	<b>First Sample Examined:</b> 10600
<b>Lease Number:</b> G21191	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20780
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20377
<b>API Well Number:</b> 608174090700	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10600 - 20807	<b>Water Depth:</b> 7787
<b>Public Info Code:</b> Y 09-MAR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19900 /19535	DEF AT sample gap top	DEF AT
20120 /19743	DEF AT sample gap bottom	DEF AT
20121 /19744	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
20170 /19791	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20260 /19877	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20290 /19905	POS AT Oligocene	DEF AT
20291 /19906	POS AT Eocene	DEF AT
20740 /20338	POS AT Upper Cretaceous Campanian Stage	DEF AT
20807 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 876	Date of Summary: 28-MAR-2001	First Sample Examined: 13845
Lease Number: G21191	Source of Paleo: OPERATOR	Borehole MD: 19030
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17907
API Well Number: 608174090701	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13845 - 19030	Water Depth: 7787
Public Info Code: Y 07-APR-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13845 /13844	DEF AT first sample examined	DEF AT 5
14080 /14079	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
15009 /14957	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15010 /14958	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
15820 /15606	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16960 /16407	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
18910 /17821	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
19030 /17907	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 876	Date of Summary: 29-MAR-2001	First Sample Examined: 13845
Lease Number: G21191	Source of Paleo: OPERATOR	Borehole MD: 19030
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17907
API Well Number: 608174090701	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13845 - 19030	Water Depth: 7787
Public Info Code: Y 07-APR-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13045 /13044	DEF AT first sample examined	DEF AT
14080 /14079	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14470 /14461	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14620 /14604	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14770 /14743	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14800 /14770	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
15100 /15037	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15640 /15474	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16570 /16126	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16960 /16407	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18790 /17734	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18940 /17842	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19030 /17907	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4900
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4900 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Yorktown Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4900 / 4900	DEF AT first sample examined	DEF AT 5
4959 / 4959	DEF AT pyrite	DEF AT 5
4960 / 4960	DEF AT local marker planktic foram increase	DEF AT 5
5050 / 5050	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5110 / 5110	DEF AT pyrite	DEF AT 5
5170 / 5170	DEF AT local marker benthic foram increase	DEF AT 5
5260 / 5260	DEF AT - - - - -	POS AT 5
5860 / 5860	DEF AT pyrite	POS AT 5
5889 / 5889	DEF AT local marker planktic foram increase	DEF AT 6
5890 / 5890	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
5920 / 5920	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
5949 / 5949	DEF AT pyrite	DEF AT 5
5950 / 5950	DEF AT local marker foram decrease	DEF AT 5
6040 / 6040	DEF AT - - - - -	POS AT 5
6160 / 6160	DEF AT pyrite	POS AT 5
6219 / 6218	DEF AT foram flood	DEF AT 6
6220 / 6219	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
6250 / 6249	DEF AT - - - - -	DEF AT 5
6340 / 6339	POS AT pyrite	DEF AT 5
6460 / 6459	DEF AT - - - - -	POS AT 5
6700 / 6698	DEF AT - - - - -	DEF AT 5
6759 / 6757	DEF AT reworked material	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 886  
Lease Number: G24121  
Well Name: 001  
API Well Number: 608174100200  
Paleo Report Num: 1 of 2  
Public Info Code: Y 19-SEP-2010

Date of Summary: 01-OCT-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 4900 - 23385  
Ecozone Eq MMS: Y

First Sample Examined: 4900  
Borehole MD: 23385  
Borehole TVD: 23351  
Rkb Elevation: 86  
Water Depth: 2084  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6760 / 6758	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
6790 / 6788	DEF AT - - - - -	POS AT 5
7179 / 7177	DEF AT foram flood	DEF AT 6
7180 / 7178	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
7210 / 7208	DEF AT local marker (general)	DEF AT 5
7270 / 7267	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
7300 / 7297	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
7330 / 7327	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7420 / 7417	DEF AT cement	POS AT 5
7450 / 7447	DEF AT pyrite	POS AT 5
7690 / 7687	DEF AT pyrite	POS AT 5
7719 / 7716	DEF AT gypsum	POS AT 5
7720 / 7717	POS IN salt	POS AT 5
7780 / 7777	DEF AT salt	POS AT 5
16230 /16216	DEF AT base of salt	DEF AT 4
16231 /16217	DEF AT out-of-place section	DEF AT 4
16232 /16218	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
16260 /16246	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
16290 /16276	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
16319 /16305	DEF AT pyrite	DEF AT 5
16320 /16306	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
16350 /16336	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
16410 /16396	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
16440 /16426	DEF AT - - - - -	POS AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 886  
Lease Number: G24121  
Well Name: 001  
API Well Number: 608174100200  
Paleo Report Num: 1 of 2  
Public Info Code: Y 19-SEP-2010

Date of Summary: 01-OCT-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 4900 - 23385  
Ecozone Eq MMS: Y

First Sample Examined: 4900  
Borehole MD: 23385  
Borehole TVD: 23351  
Rkb Elevation: 86  
Water Depth: 2084  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16520 /16506	DEF AT pyrite	DEF AT 5
16550 /16536	DEF AT local marker benthic foram increase	DEF AT 5
16570 /16556	DEF AT cement	POS AT 5
16710 /16696	POS IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
16740 /16726	DEF AT pyrite	DEF AT 6
16770 /16756	DEF AT -----	DEF AT 5
16955 /16941	DEF AT sample gap top	POS AT 5
17075 /17061	DEF AT sample gap bottom	POS AT 5
17100 /17086	DEF AT cement	DEF AT 4
17160 /17146	DEF AT pyrite	DEF AT 4
17190 /17176	DEF AT -----	POS AT 4
17280 /17266	DEF AT pyrite	POS AT 4
17340 /17326	DEF AT -----	DEF AT 5
17430 /17416	DEF AT pyrite	POS AT 5
17490 /17476	DEF AT drilling material	POS AT 5
17790 /17776	DEF AT pyrite	POS AT 5
17939 /17924	DEF AT pyrite	POS AT 5
17940 /17925	POS AT local marker foram increase	POS AT 5
18060 /18044	DEF AT drilling material	POS AT 5
18210 /18192	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
18298 /18279	DEF AT -----	POS AT 4
18320 /18300	DEF AT cement	POS AT 4
18540 /18517	DEF AT drilling material	POS AT 4
18630 /18606	POS AT pyrite	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 886  
Lease Number: G24121  
Well Name: 001  
API Well Number: 608174100200  
Paleo Report Num: 1 of 2  
Public Info Code: Y 19-SEP-2010

Date of Summary: 01-OCT-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 4900 - 23385  
Ecozone Eq MMS: Y

First Sample Examined: 4900  
Borehole MD: 23385  
Borehole TVD: 23351  
Rkb Elevation: 86  
Water Depth: 2084  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18870 /18844	DEF AT - - - - -	DEF AT 5
18930 /18904	DEF AT pyrite	DEF AT 5
19020 /18993	DEF AT Arenaceous fauna (local marker)	DEF AT 5
19140 /19113	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
19380 /19352	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
19410 /19381	DEF AT pyrite	DEF AT 5
19560 /19531	DEF AT - - - - -	POS AT 5
19890 /19860	DEF AT - - - - -	DEF AT 4
20026 /19996	DEF AT pyrite	DEF AT 4
20100 /20070	DEF AT pyrite	DEF AT 4
20149 /20119	DEF AT pyrite	DEF AT 4
20150 /20120	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 4
20330 /20299	POS AT pyrite	DEF AT 4
21080 /21048	DEF AT drilling material	POS AT 4
21230 /21198	DEF AT - - - - -	DEF AT 4
21350 /21318	DEF AT drilling material	DEF AT 4
21650 /21618	DEF AT reworked material	DEF AT 4
21950 /21917	DEF AT Bathysiphon fauna	DEF AT 4
22069 /22036	DEF AT reworked material	DEF AT 4
22070 /22037	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
22195 /22162	DEF AT - - - - -	POS AT 4
22370 /22337	POS AT Arenaceous fauna (local marker)	DEF AT 4
22490 /22457	POS AT Arenaceous fauna (local marker)	DEF AT 4
22550 /22517	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 886  
 Lease Number: G24121  
 Well Name: 001  
 API Well Number: 608174100200  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 19-SEP-2010

Date of Summary: 01-OCT-2003  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: DEVON LOUISIANA CORPORATION  
 Sample Range: 4900 - 23385  
 Ecozone Eq MMS: Y

First Sample Examined: 4900  
 Borehole MD: 23385  
 Borehole TVD: 23351  
 Rkb Elevation: 86  
 Water Depth: 2084  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22580 /22547	DEF AT Bathysiphon fauna	DEF AT 4
22700 /22667	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
22819 /22786	DEF AT pyrite	DEF AT 5
22820 /22787	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22910 /22877	DEF AT pyrite	DEF AT 5
22940 /22907	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
23090 /23057	DEF AT limestone	DEF AT 5
23120 /23087	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23240 /23207	DEF AT local marker foram increase	DEF AT 5
23300 /23267	DEF AT pyrite	DEF AT 5
23385 /23351	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4883
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4883 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Yorktown Prospect, calcareous nannofossil report, the first several samples directly underneath (16230-16290) the salt contains a mixture of middle and Upper Miocene nannos, from 16290 to at least 16519 the flora appear to be in reverse order (upside-down), 16550 is believed to be the top of the in-place section, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4883 / 4883	DEF AT first sample examined	DEF AT
4930 / 4930	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
4960 / 4960	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5590 / 5590	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5920 / 5920	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
6220 / 6219	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6370 / 6369	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6670 / 6668	DEF AT reworked material	DEF AT
6910 / 6908	DEF AT reworked material	DEF AT
7090 / 7088	DEF AT reworked material	DEF AT
7180 / 7178	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7240 / 7237	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
7450 / 7447	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7780 / 7777	DEF AT salt	DEF AT
16230 /16216	DEF AT base of salt	DEF AT
16231 /16217	DEF AT out-of-place section	DEF AT
16232 /16218	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16290 /16276	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16380 /16366	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16410 /16396	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4883
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4883 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16440 /16426	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16470 /16456	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16550 /16536	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16712 /16698	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
16830 /16816	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16920 /16906	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16955 /16941	DEF AT sample gap top	DEF AT
17075 /17061	DEF AT sample gap bottom	DEF AT
17340 /17326	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17970 /17955	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18150 /18133	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
18780 /18755	POS AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
19140 /19113	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
19410 /19381	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20120 /20090	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
20600 /20569	DEF IN Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
21630 /21598	DEF AT reworked material	DEF AT
22070 /22037	DEF AT reworked material	DEF AT
22190 /22157	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22430 /22397	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
22550 /22517	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22790 /22757	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22910 /22877	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23360 /23326	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 894	Date of Summary: 03-APR-2014	First Sample Examined: 24360
Lease Number: G24122	Source of Paleo: OPERATOR	Borehole MD: 24925
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23195
API Well Number: 608174126402	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 24360 - 24925	Water Depth: 3787
Public Info Code: Y 18-FEB-2015	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Oasis Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24360 /22701	DEF AT first sample examined	POS IN 3
24361 /22702	DEF IN base of salt	POS IN 3
24362 /22703	POS IN Upper Miocene (Tortonian) Catinaster coalitus	POS IN 3
24670 /22972	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS IN 3
24760 /23051	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	POS IN 3
24880 /23156	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	POS IN 3
24925 /23195	DEF AT last sample examined	POS IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 894	Date of Summary: 03-APR-2014	First Sample Examined: 24360
Lease Number: G24122	Source of Paleo: OPERATOR	Borehole MD: 33613
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29914
API Well Number: 608174126403	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 24360 - 33613	Water Depth: 3787
Public Info Code: Y 18-FEB-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Oasis Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24360 /22699	DEF AT first sample examined	POS IN 3
24361 /22699	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	POS IN 3
24410 /22741	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	POS IN 3
24680 /22971	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS IN 3
25010 /23251	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS IN 3
25190 /23404	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS IN 3
25450 /23626	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS IN 3
25928 /24033	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS IN 3
25929 /24034	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS IN 3
25930 /24035	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS IN 3
26100 /24179	DEF AT local marker floral increase	POS IN 3
26700 /24690	DEF AT local marker floral increase	POS IN 3
27380 /25257	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS IN 3
28200 /25885	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	POS IN 3
28710 /26267	DEF AT local marker floral decrease	POS IN 3
28950 /26446	DEF AT local marker floral increase	POS IN 3
29440 /26810	DEF AT floral flood	POS IN 3
29770 /27056	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	POS IN 3
29980 /27212	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	POS IN 3
30890 /27889	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	POS IN 3
31570 /28394	DEF AT foram flood	POS IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 894	Date of Summary: 03-APR-2014	First Sample Examined: 24360
Lease Number: G24122	Source of Paleo: OPERATOR	Borehole MD: 33613
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29914
API Well Number: 608174126403	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 24360 - 33613	Water Depth: 3787
Public Info Code: Y 18-FEB-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32379 /28995	DEF AT Lower Miocene Burdigalian Stage	POS IN 3
32380 /28996	DEF AT local marker foram increase	POS IN 3
32770 /29286	DEF AT reworked material	POS IN 3
32829 /29330	DEF AT reworked material	POS IN 3
32830 /29331	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	POS IN 3
33030 /29481	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS IN 3
33150 /29570	DEF AT reworked material	POS IN 3
33296 /29679	DEF AT unconformity	POS IN 3
33297 /29679	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	POS IN 3
33298 /29680	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	POS IN 3
33299 /29681	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	POS IN 3
33300 /29682	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	POS IN 3
33480 /29815	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	POS IN 3
33509 /29837	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	POS IN 3
33510 /29837	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	POS IN 3
33539 /29859	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	POS IN 3
33540 /29860	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	POS IN 3
33600 /29904	POS AT Upper Eocene (Priabonian) Sphenolithus obtusus	POS IN 3
33613 /29914	DEF AT last sample examined	POS IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 01-FEB-1991	First Sample Examined: 5400
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 7213
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7213
API Well Number: 608174039200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 5400 - 7200	Water Depth: 4340
Public Info Code: Y 01-MAR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5400 / 5400	DEF AT first sample examined	DEF AT
5850 / 5850	DEF AT sample gap top	DEF AT
6750 / 6750	DEF AT sample gap bottom	DEF AT
7170 / 7170	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7200 / 7200	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 18-NOV-1991	First Sample Examined: 6278
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 19640
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 19630
API Well Number: 608174039600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 48
Paleo Report Num: 1 of 3	Sample Range: 6278 - 19640	Water Depth: 4340
Public Info Code: Y 10-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6278 / 6278	DEF AT first sample examined	DEF AT 4
7050 / 7050	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
8760 / 8760	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
8790 / 8790	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
8850 / 8850	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9150 / 9150	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9210 / 9210	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
9930 / 9930	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
10680 /10680	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
11760 /11760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
19170 /19161	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
19640 /19630	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 26-MAR-1997	First Sample Examined: 6278
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 19640
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 19630
API Well Number: 608174039600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 48
Paleo Report Num: 3 of 3	Sample Range: 6278 - 19640	Water Depth: 4340
Public Info Code: Y 10-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Company-integrated foram and nanno report, 11790=Artemisia FAD (palyomorph), 12960=downhole quantitative increase of Amarantaceae (palyomorphs)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6278 / 6278	DEF AT first sample examined	DEF AT 4
6340 / 6340	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
6670 / 6670	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
8700 / 8700	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 4
8760 / 8760	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
8790 / 8790	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
8850 / 8850	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8880 / 8880	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
8881 / 8881	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9150 / 9150	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
9151 / 9151	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9210 / 9210	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
9930 / 9930	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
10200 /10200	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
10230 /10230	DEF AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT 4
10470 /10470	DEF AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT 4
10680 /10680	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
11760 /11760	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
11790 /11790	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
12840 /12840	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
12960 /12960	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 26-MAR-1997	First Sample Examined: 6278
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 19640
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 19630
API Well Number: 608174039600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 48
Paleo Report Num: 3 of 3	Sample Range: 6278 - 19640	Water Depth: 4340
Public Info Code: Y 10-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13800 /13800	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
14580 /14580	DEF AT local marker (general)	DEF AT 4
15960 /15958	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
17100 /17096	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
17130 /17126	DEF AT local marker (general)	DEF AT 4
17160 /17156	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
17610 /17605	DEF AT local marker (general)	DEF AT 4
18000 /17994	DEF AT local marker (general)	DEF AT 4
18060 /18054	DEF AT local marker (general)	DEF AT 4
18200 /18194	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
19140 /19131	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
19170 /19161	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
19640 /19630	DEF AT last sample examined	DEF AT 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 30-DEC-1997	First Sample Examined: 6300
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20013
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 19423
API Well Number: 608174058000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6300 - 19911	Water Depth: 4394
Public Info Code: Y 07-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8500	DEF AT first sample examined	DEF AT 4
8800 / 8800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS AT 4
8980 / 8980	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 4
9070 / 9070	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
9220 / 9220	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 4
9250 / 9250	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9280 / 9280	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9340 / 9340	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9490 / 9490	DEF AT - - - - -	DEF AT 4
9760 / 9760	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
10000 /10000	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10060 /10060	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
10179 /10179	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10180 /10180	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10420 /10420	DEF AT - - - - -	DEF AT 4
10660 /10660	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
11080 /11080	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
11170 /11170	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
14020 /14019	DEF AT - - - - -	POS AT 4
14440 /14439	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 4
14470 /14469	DEF AT - - - - -	POS AT 5
15970 /15945	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 899	<b>Date of Summary:</b> 30-DEC-1997	<b>First Sample Examined:</b> 6300
<b>Lease Number:</b> G09896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20013
<b>Well Name:</b> 005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19423
<b>API Well Number:</b> 608174058000	<b>Drilling Operator:</b> BP EXPLORATION & OIL INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6300 - 19911	<b>Water Depth:</b> 4394
<b>Public Info Code:</b> Y 07-JAN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17740 /17528	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS AT 5
17920 /17684	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 5
18160 /17891	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
18550 /18220	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
19458 /18961	DEF AT -----	POS AT 4
19911 /19337	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 23-JAN-1998	First Sample Examined: 15030
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 19783
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 18790
API Well Number: 608174058001	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15030 - 19782	Water Depth: 4393
Public Info Code: Y 03-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15030 /15025	DEF AT first sample examined	DEF AT 6
15720 /15682	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
15840 /15793	DEF AT -----	POS AT 6
16200 /16114	DEF AT -----	DEF AT 5
16380 /16262	DEF AT local marker deep water fauna	DEF AT 5
18660 /17966	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
19170 /18339	POS AT Upper Miocene (Tortonian) Discorbis 12	POS AT 5
19230 /18383	DEF AT local marker deep water fauna	DEF AT 5
19410 /18517	DEF AT -----	POS AT 5
19782 /18790	DEF AT last sample examined	POS AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 899	<b>Date of Summary:</b> 01-MAY-2000	<b>First Sample Examined:</b> 11980
<b>Lease Number:</b> G09896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20363
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18255
<b>API Well Number:</b> 608174087800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 11980 - 20363	<b>Water Depth:</b> 4393
<b>Public Info Code:</b> Y 25-MAY-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Company-integrated foram and nanno report, 16228=possible disconformity, 19610=sheath appears inverted below salt, 19879=base of sheath, top of normal section

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11506	DEF AT first sample examined	DEF AT 4
11981 /11507	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
12400 /11732	POS AT reworked material	DEF AT 4
13120 /12132	DEF IN Upper Miocene (Tortonian) Discoaster bergonii (variety)	DEF AT 4
14590 /12968	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
15400 /13524	DEF AT reworked material	DEF AT 4
16080 /14101	POS AT reworked material	DEF AT 4
16228 /14236	DEF AT unconformity	DEF AT 4
16229 /14237	POS AT condensed section	DEF AT 4
16230 /14238	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
16490 /14482	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
16640 /14625	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
16790 /14768	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
16830 /14807	DEF AT condensed section	DEF AT 4
16910 /14884	DEF IN salt	DEF AT 4
19609 /17508	DEF AT base of salt	DEF AT 4
19610 /17509	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
19690 /17588	POS IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 4
19703 /17601	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 4
19879 /17775	POS AT out-of-place section	DEF AT 4
19880 /17776	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 899	<b>Date of Summary:</b> 01-MAY-2000	<b>First Sample Examined:</b> 11980
<b>Lease Number:</b> G09896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20363
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18255
<b>API Well Number:</b> 608174087800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 11980 - 20363	<b>Water Depth:</b> 4393
<b>Public Info Code:</b> Y 25-MAY-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20140 /18034	POS IN Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 4
20230 /18123	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
20363 /18255	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 15-MAY-2000	First Sample Examined: 11980
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20363
Well Name: SS006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18255
API Well Number: 608174087800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 3	Sample Range: 11980 - 20350	Water Depth: 4393
Public Info Code: Y 25-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Crosby Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11506	DEF AT first sample examined	DEF AT 5
11981 /11507	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12010 /11522	DEF AT -----	DEF AT 4
12730 /11916	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12910 /12017	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
14050 /12659	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
14200 /12745	DEF AT -----	DEF AT 5
14230 /12762	DEF AT -----	DEF AT 4
14320 /12813	DEF AT -----	DEF AT 5
14350 /12830	DEF AT -----	DEF AT 4
14530 /12933	DEF IN -----	DEF AT 5
14560 /12951	DEF AT -----	DEF AT 4
14590 /12968	DEF AT -----	DEF AT 5
14620 /12986	DEF AT -----	DEF AT 4
15310 /13454	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16260 /14265	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
16290 /14293	DEF AT local marker planktic foram increase	DEF AT 4
16330 /14330	DEF AT -----	DEF AT 5
16360 /14359	DEF AT -----	DEF AT 4
16440 /14434	DEF AT -----	DEF AT 5
16480 /14472	DEF AT -----	DEF AT 4
16530 /14520	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899  
Lease Number: G09896  
Well Name: SS006  
API Well Number: 608174087800  
Paleo Report Num: 2 of 3  
Public Info Code: Y 25-MAY-2010

Date of Summary: 15-MAY-2000  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 11980 - 20350  
Ecozone Eq MMS: Y

First Sample Examined: 11980  
Borehole MD: 20363  
Borehole TVD: 18255  
Rkb Elevation: 85  
Water Depth: 4393  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16540 /14529	DEF IN -----	DEF AT 4
16580 /14567	DEF AT -----	DEF AT 5
16600 /14587	DEF AT -----	DEF AT 4
16680 /14663	DEF AT -----	DEF AT 5
16690 /14672	DEF AT -----	DEF AT 4
16749 /14729	DEF AT reworked material	DEF AT 4
16750 /14730	POS AT Lower (Early) Miocene	DEF AT 4
16751 /14731	POS AT Oligocene	DEF AT 4
16759 /14739	DEF AT reworked material	DEF AT 4
16760 /14740	POS AT Oligocene Anahuac Formation/Provincial Stage	DEF AT 4
16799 /14777	DEF AT reworked material	DEF AT 4
16800 /14778	POS AT Oligocene	DEF AT 4
16870 /14845	POS AT Lower (Early) Miocene	DEF AT 4
16871 /14846	POS AT Oligocene	DEF AT 4
16880 /14855	DEF AT -----	DEF AT 5
16890 /14865	DEF AT -----	DEF AT 4
17020 /14991	DEF AT -----	DEF AT 5
17030 /15001	DEF AT -----	DEF AT 4
17990 /15928	DEF AT -----	DEF AT 5
19650 /17549	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
19680 /17578	DEF AT -----	DEF AT 4
19740 /17638	DEF AT -----	DEF AT 5
19780 /17677	DEF AT -----	DEF AT 4
20350 /18242	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 899	<b>Date of Summary:</b> 01-JUN-2000	<b>First Sample Examined:</b> 11980
<b>Lease Number:</b> G09896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20363
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 18255
<b>API Well Number:</b> 608174087800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 11980 - 20360	<b>Water Depth:</b> 4393
<b>Public Info Code:</b> Y 25-MAY-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Crosby Prospect, calcareous nannofossil report, 20050=Catinaster coalitus persistent to base of section, 20150=Discoaster hamatus persistent to base of section

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11506	DEF AT first sample examined	DEF AT
11981 /11507	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12310 /11683	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
12550 /11814	POS AT Upper Miocene (Tortonian) Discoaster bergrenii (variety)	DEF AT
14170 /12728	DEF AT local marker floral increase	DEF AT
14680 /13022	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15990 /14019	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16080 /14101	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16140 /14155	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16230 /14238	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16260 /14265	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16440 /14434	POS AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
16490 /14482	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16640 /14625	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16680 /14663	POS AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
16770 /14749	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
16830 /14807	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16880 /14855	DEF AT reworked material	DEF AT
16910 /14884	DEF IN Upper Miocene (Tortonian) Catinaster coalitus (very rare)	DEF AT
16911 /14885	DEF AT salt	DEF AT
19400 /17302	DEF AT base of salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 899	<b>Date of Summary:</b> 01-JUN-2000	<b>First Sample Examined:</b> 11980
<b>Lease Number:</b> G09896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20363
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 18255
<b>API Well Number:</b> 608174087800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 11980 - 20360	<b>Water Depth:</b> 4393
<b>Public Info Code:</b> Y 25-MAY-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19640 /17539	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19641 /17540	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19642 /17541	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (very rare)	DEF AT
19670 /17568	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19680 /17578	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
19700 /17598	DEF AT local marker floral increase	DEF AT
19720 /17618	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19721 /17619	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
19860 /17756	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
19890 /17786	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20050 /17945	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20150 /18044	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20260 /18153	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
20347 /18239	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20348 /18240	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20349 /18241	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20350 /18242	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 16-MAY-2000	First Sample Examined: 17825
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20401
Well Name: SS006	Paleo Done By: OPERATOR	Borehole TVD: 18270
API Well Number: 608174087802	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 17825 - 20402	Water Depth: 4393
Public Info Code: Y 09-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 18999=disconformity, 19000=top of sheath which appears inverted, and reworked Paleogene nannos noted, 19160=base of sheath, floral change and disconformity

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17825 /15761	DEF AT first sample examined	DEF AT
17826 /15762	DEF IN salt	DEF AT
18999 /16888	POS AT unconformity	DEF AT
19000 /16889	DEF AT reworked material	DEF AT
19001 /16890	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19160 /17045	POS AT unconformity	DEF AT
19219 /17103	POS AT reworked material	DEF AT
19220 /17104	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19320 /17201	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19321 /17202	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19659 /17534	POS AT reworked material	DEF AT
19660 /17535	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20402 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 899	<b>Date of Summary:</b> 28-JUN-2000	<b>First Sample Examined:</b> 18820
<b>Lease Number:</b> G09896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20859
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18498
<b>API Well Number:</b> 608174087804	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18820 - 20810	<b>Water Depth:</b> 4393
<b>Public Info Code:</b> Y 01-JUL-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, 19310=definite top of sheath and disconformity, 19390=base of sheath and disconformity, 19940=slight floral assemblage change

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18820 /16703	DEF AT first sample examined	DEF AT
18821 /16704	DEF IN salt	DEF AT
19280 /17123	POS AT base of salt	DEF AT
19309 /17149	POS AT unconformity	DEF AT
19310 /17150	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
19389 /17221	DEF AT unconformity	DEF AT
19390 /17222	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20340 /18044	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20670 /18329	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20810 /18454	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 01-NOV-2001	First Sample Examined: 16520
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20395
Well Name: SS006	Paleo Done By: BUGWARE, INC.	Borehole TVD: 18025
API Well Number: 608174087807	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 16520 - 20395	Water Depth: 4393
Public Info Code: Y 21-OCT-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16520 /14445	DEF AT first sample examined	DEF AT
16521 /14446	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17360 /15182	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
17600 /15412	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17660 /15470	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17870 /15673	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17900 /15702	DEF AT local marker floral increase	DEF AT
18020 /15819	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18050 /15848	DEF AT local marker floral increase	DEF AT
18980 /16765	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19040 /16824	DEF AT local marker floral increase	DEF AT
19610 /17366	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
19640 /17393	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20270 /17921	POS AT out-of-place section	DEF AT
20360 /17996	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20395 /18025	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 899	Date of Summary: 01-FEB-2002	First Sample Examined: 16520
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20395
Well Name: SS006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18025
API Well Number: 608174087807	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16520 - 20395	Water Depth: 4393
Public Info Code: Y 21-OCT-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Crosby Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16520 /14445	DEF AT first sample examined	DEF AT 4
16521 /14446	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
16700 /14590	DEF AT -----	DEF AT 5
16730 /14615	DEF AT -----	DEF AT 4
16850 /14716	DEF AT local marker foram decrease	DEF AT 4
17030 /14875	DEF AT -----	DEF AT 5
17240 /15069	DEF AT local marker foram increase	DEF AT 5
17270 /15097	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
17300 /15125	DEF AT -----	DEF AT 5
17330 /15153	DEF AT -----	DEF AT 4
17360 /15182	DEF AT local marker foram increase	DEF AT 4
17420 /15239	DEF AT -----	DEF AT 5
17930 /15731	DEF AT Arenaceous fauna (local marker)	POS AT 4
18020 /15819	DEF AT local marker foram increase	DEF AT 4
18260 /16055	DEF AT -----	DEF AT 5
18290 /16085	DEF AT -----	DEF AT 4
18470 /16263	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18740 /16529	DEF AT local marker foram increase	DEF AT 4
18980 /16765	DEF AT local marker foram increase	DEF AT 4
19040 /16824	DEF AT foram flood	DEF AT 4
19370 /17143	DEF AT -----	DEF AT 5
19460 /17228	DEF AT Arenaceous fauna (local marker)	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 899	<b>Date of Summary:</b> 01-FEB-2002	<b>First Sample Examined:</b> 16520
<b>Lease Number:</b> G09896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20395
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18025
<b>API Well Number:</b> 608174087807	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16520 - 20395	<b>Water Depth:</b> 4393
<b>Public Info Code:</b> Y 21-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20395 /18025	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 911	Date of Summary: 20-MAY-1999	First Sample Examined: 8750
Lease Number: G09899	Source of Paleo: OPERATOR	Borehole MD: 22805
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22802
API Well Number: 608174057400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 8750 - 22750	Water Depth: 6725
Public Info Code: Y 15-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8750 / 8750	DEF AT first sample examined	POS AT 5
8751 / 8751	DEF AT cement	DEF AT 5
8870 / 8870	DEF AT - - - - -	DEF AT 6
8960 / 8960	DEF AT local marker floral increase	POS AT 5
9140 / 9140	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
9350 / 9349	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
9770 / 9769	DEF AT - - - - -	DEF AT 6
9980 / 9979	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 6
9981 / 9980	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 6
10010 /10009	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
10130 /10129	DEF AT - - - - -	DEF AT 5
10220 /10219	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
10340 /10339	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10370 /10369	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10430 /10429	DEF AT - - - - -	DEF AT 6
10520 /10519	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 6
10580 /10579	DEF AT - - - - -	DEF AT 5
10910 /10909	DEF AT local marker floral increase	DEF AT 6
11180 /11179	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
11181 /11180	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
11240 /11239	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11540 /11539	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 911	Date of Summary: 20-MAY-1999	First Sample Examined: 8750
Lease Number: G09899	Source of Paleo: OPERATOR	Borehole MD: 22805
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22802
API Well Number: 608174057400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 8750 - 22750	Water Depth: 6725
Public Info Code: Y 15-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11541 /11540	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 6
11660 /11659	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11720 /11719	DEF AT -----	POS AT 5
12530 /12529	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 5
12680 /12679	DEF AT -----	DEF AT 6
12710 /12709	DEF AT -----	POS AT 5
12740 /12739	POS AT Upper Miocene (Tortonian) Reophax davepopei	POS AT 5
12860 /12859	DEF AT -----	DEF AT 6
13310 /13309	DEF AT -----	POS AT 6
13430 /13429	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	POS AT 6
13550 /13549	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	POS AT 5
13610 /13608	DEF AT -----	DEF AT 6
13640 /13638	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
14210 /14208	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 6
14347 /14345	DEF AT cement	POS AT 6
14410 /14408	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS AT 6
14500 /14498	DEF AT -----	DEF AT 6
14920 /14918	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
15520 /15518	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
15550 /15548	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 6
16180 /16178	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT 6
16600 /16598	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
16930 /16928	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
17020 /17018	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 911	Date of Summary: 20-MAY-1999	First Sample Examined: 8750
Lease Number: G09899	Source of Paleo: OPERATOR	Borehole MD: 22805
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22802
API Well Number: 608174057400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 8750 - 22750	Water Depth: 6725
Public Info Code: Y 15-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17590 /17588	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 6
17680 /17678	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
17710 /17708	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
17740 /17738	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
18970 /18968	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
19120 /19117	DEF AT -----	DEF AT 6
19540 /19537	DEF AT -----	POS AT 6
19660 /19657	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
22300 /22297	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 6
22750 /22747	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 911	Date of Summary: 19-JUL-1999	First Sample Examined: 22300
Lease Number: G09899	Source of Paleo: OPERATOR	Borehole MD: 24969
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24958
API Well Number: 608174057401	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 22300 - 24969	Water Depth: 6725
Public Info Code: Y 15-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22300 /22291	DEF AT first sample examined	POS AT 6
22950 /22941	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 6
24000 /23989	DEF AT faunal change (no faunal increase)	DEF AT 6
24479 /24468	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
24480 /24469	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
24630 /24619	POS AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 6
24840 /24829	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 6
24930 /24919	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
24969 /24958	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 912	Date of Summary: 11-APR-2002	First Sample Examined: 14240
Lease Number: G22914	Source of Paleo: OPERATOR	Borehole MD: 26000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25989
API Well Number: 608174095500	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 14240 - 26030	Water Depth: 6703
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 25410=Lower Miocene Orbulina suturalis base , see report for summary table of age-diagnostic and sequence stratigraphic analysis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14240 /14238	DEF AT first sample examined	DEF AT
14241 /14239	DEF IN salt	DEF AT
15262 /15259	DEF AT base of salt	DEF AT
15263 /15260	DEF AT out-of-place section	DEF AT
16100 /16096	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 5
17080 /17075	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
20460 /20455	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22470 /22463	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22530 /22523	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
24660 /24652	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
25410 /25400	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
25610 /25600	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 5
25880 /25870	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 5
25890 /25880	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
25950 /25940	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
26030 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 935	Date of Summary: 24-AUG-1994	First Sample Examined: 5670
Lease Number: G07976	Source of Paleo: OPERATOR	Borehole MD: 16807
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16282
API Well Number: 608174047000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5670 - 16830	Water Depth: 3918
Public Info Code: Y 22-MAY-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5670 / 5670	DEF AT first sample examined	DEF AT 5
5700 / 5700	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6090 / 6090	DEF AT - - - - -	DEF AT 4
7500 / 7500	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
10440 /10440	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11010 /11010	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11340 /11340	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11370 /11370	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12840 /12839	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13230 /13229	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13290 /13289	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
14970 /14907	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
16050 /15742	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16807 /16282	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 935	Date of Summary: 25-MAR-1998	First Sample Examined: 5670
Lease Number: G07976	Source of Paleo: OPERATOR	Borehole MD: 16807
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16282
API Well Number: 608174047000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5670 - 16807	Water Depth: 3918
Public Info Code: Y 22-MAY-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5670 / 5670	DEF AT first sample examined	POS AT 5
5671 / 5671	DEF AT cement	POS AT 5
5700 / 5700	DEF AT faunal change (no faunal increase)	DEF IN 5
6090 / 6090	DEF AT faunal change (no faunal increase)	DEF IN 5
7410 / 7410	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
7500 / 7500	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
10440 /10440	DEF AT faunal change (no faunal increase)	DEF IN 5
10740 /10740	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
11070 /11070	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
11310 /11310	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
11370 /11370	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11760 /11760	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 5
11970 /11970	DEF AT faunal change (no faunal increase)	DEF IN 5
12840 /12839	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
13290 /13289	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
14760 /14720	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
14970 /14907	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
15600 /15414	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 5
16170 /15829	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
16807 /16282	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 935	Date of Summary: 24-AUG-1994	First Sample Examined: 13580
Lease Number: G07976	Source of Paleo: OPERATOR	Borehole MD: 20501
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20499
API Well Number: 608174047001	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 13580 - 20500	Water Depth: 3918
Public Info Code: Y 15-AUG-2004	Ecozone Eq MMS: Y	Paleo ID: 003

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13580 /13579	DEF AT first sample examined	DEF IN 5
14660 /14659	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
15500 /15499	DEF AT - - - - -	DEF IN 4
15980 /15979	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
17270 /17269	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
17920 /17919	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF IN 5
18790 /18789	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 5
19150 /19149	DEF AT - - - - -	DEF AT 6
19430 /19429	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
20020 /20018	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 6
20500 /20498	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 935	Date of Summary: 25-MAR-1998	First Sample Examined: 13580
Lease Number: G07976	Source of Paleo: OPERATOR	Borehole MD: 20501
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20499
API Well Number: 608174047001	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 13580 - 20500	Water Depth: 3918
Public Info Code: Y 15-AUG-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13580 /13579	DEF AT first sample examined	DEF IN 5
14540 /14539	DEF AT foram flood	DEF IN 5
14660 /14659	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
15500 /15499	DEF AT - - - - -	DEF IN 4
15650 /15649	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 4
15980 /15979	DEF AT faunal change (no faunal increase)	DEF IN 5
16070 /16069	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
16700 /16699	DEF AT foram flood	DEF IN 5
18010 /18009	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
19150 /19149	DEF AT - - - - -	DEF AT 6
19600 /19599	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
20020 /20018	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 6
20080 /20078	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
20135 /20133	DEF AT salt	DEF AT 6
20450 /20448	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 6
20470 /20468	DEF AT foram flood	DEF AT 6
20500 /20498	DEF AT last sample examined	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 935	Date of Summary: 03-MAR-1998	First Sample Examined: 6971
Lease Number: G07976	Source of Paleo: OPERATOR	Borehole MD: 21962
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 20217
API Well Number: 608174050300	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6971 - 21972	Water Depth: 3859
Public Info Code: Y 08-APR-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6971 / 6971	DEF AT first sample examined	DEF AT
7380 / 7380	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8520 / 8520	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10170 /10170	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10380 /10379	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10500 /10499	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10590 /10589	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10800 /10799	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11190 /11189	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11970 /11969	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
12570 /12569	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
12870 /12869	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
13890 /13889	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
15720 /15702	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16890 /16739	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19140 /18340	DEF AT Upper Miocene (Messinian) Textularia tatumii	DEF AT
20370 /19194	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
21962 /20217	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 935	Date of Summary: 25-MAR-1998	First Sample Examined: 7025
Lease Number: G07976	Source of Paleo: OPERATOR	Borehole MD: 21962
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 20217
API Well Number: 608174050300	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 7025 - 21960	Water Depth: 3859
Public Info Code: Y 08-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7025 / 7025	DEF AT first sample examined	POS AT 4
7026 / 7026	DEF AT cement	POS AT 4
7140 / 7140	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	POS AT 4
7170 / 7170	DEF AT faunal change (no faunal increase)	DEF AT 4
10050 /10050	DEF AT cement	POS AT 4
10170 /10170	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
10380 /10379	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 4
10500 /10499	DEF AT faunal change (no faunal increase)	POS AT 5
10650 /10649	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 5
10800 /10799	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	POS AT 5
11190 /11189	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS AT 5
11970 /11969	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS AT 5
12870 /12869	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS AT 5
13890 /13889	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	POS AT 5
15600 /15586	DEF AT cement	POS AT 5
15720 /15702	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	POS AT 5
17010 /16837	DEF AT faunal change (no faunal increase)	DEF AT 6
19512 /18609	DEF AT faunal change (no faunal increase)	POS AT 5
21450 /19901	DEF AT local marker planktic foram increase	POS AT 5
21720 /20069	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 5
21960 /20216	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Makalu Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
7215 / 7215	DEF AT first sample examined	DEF AT
7216 / 7216	DEF IN Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
7280 / 7280	DEF AT local marker floral decrease	DEF AT
20040 /20039	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20160 /20159	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
20220 /20219	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
20280 /20279	DEF AT local marker floral decrease	DEF AT
20460 /20459	DEF AT local marker floral increase	DEF AT
20481 /20480	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20483 /20482	DEF AT local marker floral decrease	DEF AT
20676 /20675	POS AT local marker floral increase	DEF AT
20720 /20719	DEF AT local marker floral increase	DEF AT
20940 /20938	DEF AT local marker floral decrease	DEF AT
21000 /20998	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21180 /21178	DEF AT local marker floral decrease	DEF AT
21270 /21268	DEF AT local marker floral increase	DEF AT
21300 /21298	DEF AT local marker floral decrease	DEF AT
21420 /21418	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
21450 /21448	DEF AT reworked material	DEF AT
21533 /21531	DEF AT local marker floral decrease	DEF AT
21610 /21608	DEF AT local marker floral increase	DEF AT
21760 /21758	DEF AT local marker floral decrease	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21790 /21788	DEF AT local marker floral increase	DEF AT
21850 /21848	DEF AT local marker floral decrease	DEF AT
21910 /21907	DEF AT local marker floral increase	DEF AT
22120 /22116	DEF AT local marker floral increase	DEF AT
22270 /22264	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
22330 /22323	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22420 /22412	DEF AT local marker floral decrease	DEF AT
22660 /22644	DEF AT local marker floral increase	DEF AT
22750 /22730	DEF AT local marker floral decrease	DEF AT
22780 /22758	DEF AT local marker floral increase	DEF AT
22810 /22787	DEF AT local marker floral decrease	DEF AT
22990 /22957	DEF AT local marker floral increase	DEF AT
23140 /23100	DEF AT local marker floral decrease	DEF AT
23380 /23329	DEF AT local marker floral increase	DEF AT
23530 /23472	DEF AT local marker floral decrease	DEF AT
23590 /23529	DEF AT reworked material	DEF AT
24070 /23986	POS AT local marker floral increase	DEF AT
24130 /24043	DEF AT local marker floral decrease	DEF AT
24340 /24243	DEF AT local marker floral increase	DEF AT
24370 /24271	DEF AT floral flood	DEF AT
24430 /24328	DEF AT local marker floral decrease	DEF AT
24460 /24357	DEF AT local marker floral increase	DEF AT
24520 /24414	DEF AT local marker floral decrease	DEF AT
24700 /24585	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 937	<b>Date of Summary:</b> 27-APR-2005	<b>First Sample Examined:</b> 7215
<b>Lease Number:</b> G16659	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29894
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 29519
<b>API Well Number:</b> 608174105400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7215 - 29894	<b>Water Depth:</b> 4181
<b>Public Info Code:</b> Y 31-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24760 /24643	DEF AT local marker floral decrease	DEF AT
24820 /24700	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25030 /24900	DEF AT floral flood	DEF AT
25060 /24929	DEF AT local marker floral decrease	DEF AT
25300 /25157	DEF AT local marker floral increase	DEF AT
25420 /25272	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
25540 /25387	DEF AT local marker floral decrease	DEF AT
25570 /25415	DEF AT local marker floral increase	DEF AT
26020 /25844	DEF AT local marker floral decrease	DEF AT
26260 /26072	DEF AT local marker floral increase	DEF AT
26320 /26129	DEF AT local marker floral decrease	DEF AT
26380 /26186	DEF AT local marker floral increase	DEF AT
26470 /26271	DEF AT local marker floral decrease	DEF AT
26500 /26300	DEF AT local marker floral increase	DEF AT
26680 /26470	DEF AT local marker floral decrease	DEF AT
26860 /26641	DEF AT local marker floral increase	DEF AT
27010 /26783	DEF AT local marker floral decrease	DEF AT
27040 /26812	DEF AT local marker floral increase	DEF AT
27510 /27258	DEF AT local marker floral decrease	DEF AT
27600 /27344	DEF AT local marker floral increase	DEF AT
27660 /27402	DEF AT local marker floral decrease	DEF AT
27810 /27545	DEF AT local marker floral increase	DEF AT
28110 /27832	DEF AT local marker floral decrease	DEF AT
28170 /27889	POS AT local marker floral increase	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28380 /28089	DEF AT local marker floral decrease	DEF AT
28680 /28374	DEF AT local marker floral increase	DEF AT
28830 /28516	DEF AT local marker floral decrease	DEF AT
28860 /28544	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
28980 /28658	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
29070 /28743	DEF AT local marker floral decrease	DEF AT
29130 /28800	DEF AT local marker floral increase	DEF AT
29160 /28828	DEF AT local marker floral decrease	DEF AT
29220 /28885	DEF AT local marker floral increase	DEF AT
29310 /28969	DEF AT local marker floral decrease	DEF AT
29460 /29110	DEF AT local marker floral increase	DEF AT
29490 /29139	DEF AT local marker floral decrease	DEF AT
29700 /29336	DEF AT local marker floral increase	DEF AT
29790 /29421	DEF AT local marker floral decrease	DEF AT
29894 /29519	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 937	<b>Date of Summary:</b> 27-APR-2005	<b>First Sample Examined:</b> 7215
<b>Lease Number:</b> G16659	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29894
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 29519
<b>API Well Number:</b> 608174105400	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7215 - 29894	<b>Water Depth:</b> 4181
<b>Public Info Code:</b> Y 31-AUG-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

Remark: Makalu Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7215 / 7215	DEF AT first sample examined	DEF IN 4
7220 / 7220	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
7230 / 7230	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
19950 /19949	DEF AT base of salt	POS IN 4
19979 /19978	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
19980 /19979	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 4
20010 /20009	DEF AT local marker foram decrease	DEF IN 4
20130 /20129	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
20310 /20309	DEF AT reworked material	DEF IN 4
20340 /20339	DEF AT Arenaceous fauna (local marker)	DEF IN 4
20482 /20481	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
20483 /20482	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF IN 4
20630 /20629	DEF AT Bathysiphon fauna	DEF IN 4
20750 /20749	DEF AT local marker planktic foram increase	DEF AT 6
20940 /20938	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 6
20970 /20968	DEF AT -----	DEF IN 4
21060 /21058	DEF AT -----	DEF AT 6
21089 /21087	DEF AT local white Arenaceous fauna	DEF AT 6
21090 /21088	DEF AT Bathysiphon fauna	DEF AT 6
21180 /21178	DEF AT -----	DEF IN 4
21300 /21298	DEF AT drilling material	DEF IN 4
21360 /21358	DEF AT Arenaceous fauna (local marker)	DEF IN 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 937  
Lease Number: G16659  
Well Name: 001  
API Well Number: 608174105400  
Paleo Report Num: 2 of 2  
Public Info Code: Y 31-AUG-2006

Date of Summary: 27-APR-2005  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 7215 - 29894  
Ecozone Eq MMS: Y

First Sample Examined: 7215  
Borehole MD: 29894  
Borehole TVD: 29519  
Rkb Elevation: 92  
Water Depth: 4181  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21510 /21508	DEF AT local marker foram decrease	DEF IN 4
21580 /21578	DEF AT Arenaceous fauna (local marker)	DEF IN 4
21639 /21637	DEF AT pyrite	DEF IN 4
21640 /21638	DEF AT foram flood	DEF IN 4
21760 /21758	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
21790 /21788	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21820 /21818	DEF AT local marker foram decrease	DEF AT 4
22120 /22116	DEF AT local marker benthic foram increase	DEF IN 4
22180 /22175	DEF AT - - - - -	DEF AT 4
22210 /22205	DEF AT local marker foram decrease	DEF AT 4
22240 /22234	DEF AT local marker foram increase	DEF AT 4
22270 /22264	DEF AT local marker foram decrease	DEF AT 4
22690 /22673	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
22750 /22730	DEF AT local marker foram decrease	DEF AT 4
22780 /22758	DEF AT local marker benthic foram increase	DEF IN 4
22810 /22787	DEF AT pyrite	DEF IN 4
22840 /22815	DEF AT local marker foram decrease	DEF AT 4
22900 /22872	DEF AT local marker benthic foram increase	DEF AT 4
23080 /23043	DEF AT pyrite	DEF AT 4
23110 /23071	DEF AT local marker foram increase	DEF AT 6
23170 /23128	DEF AT local marker foram decrease	DEF IN 4
23290 /23243	DEF AT - - - - -	DEF AT 4
23350 /23300	DEF AT Bathysiphon fauna	DEF IN 4
23380 /23329	DEF AT local marker planktic foram increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23410 /23357	POS AT local marker foram decrease	DEF IN 4
23469 /23413	DEF AT pyrite	DEF IN 4
23470 /23414	DEF AT local marker foram increase	DEF IN 4
23560 /23500	DEF AT Eggerella sp. (local marker)	DEF IN 4
23590 /23529	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23620 /23557	DEF AT foram flood	DEF IN 4
23680 /23614	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23740 /23671	DEF AT Bathysiphon fauna	DEF IN 4
23890 /23814	DEF AT Cyclammina sp. (local marker)	DEF IN 4
23920 /23843	DEF AT Bathysiphon fauna	DEF IN 4
23980 /23900	DEF AT foram flood	DEF IN 4
24160 /24072	DEF AT Bathysiphon fauna	DEF AT 4
24250 /24157	DEF AT Bathysiphon fauna	DEF AT 4
24340 /24243	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 4
24580 /24471	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24610 /24500	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
24700 /24585	DEF AT local marker foram increase	DEF AT 6
24730 /24614	DEF AT pyrite	DEF IN 4
24790 /24671	DEF AT Arenaceous fauna (local marker)	DEF IN 4
24820 /24700	DEF AT local marker foram increase	DEF AT 6
24850 /24728	DEF AT local marker foram decrease	DEF IN 4
24970 /24843	DEF AT - - - - -	DEF AT 4
25030 /24900	DEF AT local white Arenaceous fauna	DEF IN 4
25180 /25043	DEF AT Eggerella sp. (local marker)	DEF IN 4

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 937  
Lease Number: G16659  
Well Name: 001  
API Well Number: 608174105400  
Paleo Report Num: 2 of 2  
Public Info Code: Y 31-AUG-2006

Date of Summary: 27-APR-2005  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 7215 - 29894  
Ecozone Eq MMS: Y

First Sample Examined: 7215  
Borehole MD: 29894  
Borehole TVD: 29519  
Rkb Elevation: 92  
Water Depth: 4181  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25270 /25129	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
25330 /25186	DEF AT local marker foram decrease	DEF IN 4
25540 /25387	DEF AT Bathysiphon fauna	DEF IN 4
25690 /25530	DEF AT local marker foram decrease	DEF IN 4
25720 /25558	DEF AT - - - - -	DEF AT 4
25810 /25644	DEF AT Arenaceous fauna (local marker)	DEF IN 4
25840 /25673	DEF AT foram flood	DEF IN 4
25990 /25815	DEF AT local marker foram decrease	DEF IN 4
26140 /25958	DEF AT - - - - -	DEF AT 4
26380 /26186	DEF AT local marker foram increase	DEF AT 4
26410 /26214	DEF AT - - - - -	DEF IN 4
26470 /26271	DEF AT local marker foram decrease	DEF AT 4
26650 /26442	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26680 /26470	DEF AT Eggerella sp. (local marker)	DEF AT 4
26740 /26527	DEF AT local marker benthic foram increase	DEF AT 4
26860 /26641	DEF AT - - - - -	DEF IN 4
27070 /26840	DEF AT - - - - -	DEF AT 6
27210 /26973	DEF AT local marker foram decrease	DEF IN 4
27330 /27087	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
27390 /27144	DEF AT - - - - -	DEF AT 4
27420 /27173	DEF AT local marker foram decrease	DEF IN 4
27570 /27316	DEF AT local marker planktic foram increase	DEF AT 6
27630 /27373	DEF AT Bathysiphon fauna	DEF IN 4
27780 /27517	DEF AT local marker foram decrease	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 937  
Lease Number: G16659  
Well Name: 001  
API Well Number: 608174105400  
Paleo Report Num: 2 of 2  
Public Info Code: Y 31-AUG-2006

Date of Summary: 27-APR-2005  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 7215 - 29894  
Ecozone Eq MMS: Y

First Sample Examined: 7215  
Borehole MD: 29894  
Borehole TVD: 29519  
Rkb Elevation: 92  
Water Depth: 4181  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27900 /27631	DEF AT local marker planktic foram increase	DEF AT 6
27960 /27689	DEF AT -----	DEF IN 4
27990 /27717	DEF AT -----	DEF AT 4
28290 /28003	DEF AT -----	DEF AT 4
28350 /28061	DEF AT reworked material	DEF IN 4
28620 /28317	DEF AT local marker foram decrease	DEF AT 4
28680 /28374	DEF AT local marker planktic foram increase	DEF IN 4
28770 /28459	DEF AT local marker foram increase	DEF AT 6
28950 /28630	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
28980 /28658	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
29040 /28715	DEF AT foram flood	DEF AT 6
29130 /28800	DEF AT local marker foram decrease	DEF IN 4
29220 /28885	DEF AT local marker foram increase	DEF AT 6
29310 /28969	DEF AT local marker foram decrease	DEF IN 4
29460 /29110	DEF AT local marker foram increase	DEF AT 6
29520 /29167	DEF AT local marker foram decrease	DEF AT 4
29580 /29223	DEF AT local marker foram increase	DEF IN 4
29640 /29280	DEF AT local marker foram decrease	DEF AT 4
29670 /29308	DEF AT local marker foram increase	DEF AT 6
29760 /29393	DEF AT local marker foram decrease	DEF IN 4
29850 /29478	DEF AT local marker foram increase	DEF IN 4
29894 /29519	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941	Date of Summary: 01-OCT-1998	First Sample Examined: 7490
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13214
API Well Number: 608174082000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6114 - 14100	Water Depth: 3927
Public Info Code: Y 26-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 11460=Streptochilus sp, 12300=Planulina mexicana variety

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7490 / 7490	DEF AT first sample examined	DEF AT 5
7491 / 7491	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7730 / 7730	DEF AT faunal change (no faunal increase)	DEF AT 4
8090 / 8089	DEF AT local marker benthic foram increase	DEF AT 4
8600 / 8599	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8780 / 8779	DEF AT local marker foram increase	DEF AT 5
9020 / 9019	DEF AT faunal change (no faunal increase)	DEF AT 4
9230 / 9229	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
9231 / 9230	POS AT condensed section	DEF AT 6
9260 / 9259	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
9380 / 9379	DEF AT faunal change (no faunal increase)	DEF AT 5
9470 / 9469	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
9560 / 9559	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9590 / 9589	DEF AT local marker foram increase	DEF AT 6
9710 / 9709	DEF AT faunal change (no faunal increase)	DEF AT 5
9770 / 9769	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
9890 / 9889	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10080 /10079	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10380 /10378	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
10500 /10496	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10800 /10788	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10860 /10845	DEF AT local marker foram increase	DEF AT 5

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941  
Lease Number: G16661  
Well Name: 001  
API Well Number: 608174082000  
Paleo Report Num: 1 of 2  
Public Info Code: Y 26-SEP-2008

Date of Summary: 01-OCT-1998  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 6114 - 14100  
Ecozone Eq MMS: Y

First Sample Examined: 7490  
Borehole MD: 14100  
Borehole TVD: 13214  
Rkb Elevation: 82  
Water Depth: 3927  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11099 /11066	POS AT condensed section	DEF AT 5
11100 /11067	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11130 /11094	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11220 /11174	DEF AT faunal change (no faunal increase)	DEF AT 4
11700 /11567	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
11820 /11657	DEF AT faunal change (no faunal increase)	DEF AT 5
12299 /12003	DEF AT local marker foram decrease	DEF AT 5
12300 /12004	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 5
12660 /12252	DEF AT reworked material	DEF AT 5
12720 /12294	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
13080 /12538	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
13169 /12597	DEF AT reworked material	DEF AT 5
13170 /12598	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
13830 /13035	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
14100 /13214	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 941	<b>Date of Summary:</b> 15-DEC-1998	<b>First Sample Examined:</b> 7340
<b>Lease Number:</b> G16661	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14100
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13214
<b>API Well Number:</b> 608174082000	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6114 - 14100	<b>Water Depth:</b> 3927
<b>Public Info Code:</b> Y 26-SEP-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 9555=Dictyococcites productus, 11160=Discoaster preberggrenii, 12930=Discoaster icaris, 13920=Helicosphaera sp B, hiatuses occur at 7400, 8630, and 9551

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7340 / 7340	DEF AT first sample examined	DEF AT
7341 / 7341	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
7400 / 7400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8630 / 8629	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9260 / 9259	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9555 / 9554	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
10900 /10882	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
11160 /11121	DEF IN Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
12700 /12280	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
12930 /12437	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13380 /12737	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13620 /12897	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13920 /13094	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14100 /13214	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941	Date of Summary: 01-NOV-1998	First Sample Examined: 13980
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15102
API Well Number: 608174082001	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 10200 - 16600	Water Depth: 3927
Public Info Code: Y 05-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Bypass report, 15780=Anomalina semicribratus, 16260 and 16380=rare occurrence of Bolivina thalmani, reworked, 16320=Robulus 64

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13980 /13150	DEF AT first sample examined	DEF AT 6
13981 /13151	DEF IN Miocene	DEF AT 6
14100 /13234	DEF AT faunal change (no faunal increase)	DEF AT 5
14340 /13406	DEF AT local marker foram decrease	DEF AT 5
14670 /13648	DEF AT local marker planktic foram increase	DEF AT 6
14880 /13805	DEF AT faunal change (no faunal increase)	DEF AT 5
14940 /13850	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
15270 /14094	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 6
15300 /14116	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
15420 /14205	DEF AT faunal change (no faunal increase)	DEF AT 5
15600 /14341	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
15780 /14476	DEF AT local marker (general)	DEF AT 5
15960 /14612	DEF AT sample gap top	POS AT 5
16050 /14681	DEF AT sample gap bottom	DEF AT 5
16260 /14841	DEF AT reworked material	DEF AT 5
16320 /14887	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
16600 /15102	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941	Date of Summary: 15-DEC-1998	First Sample Examined: 14000
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15102
API Well Number: 608174082001	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 14000 - 16590	Water Depth: 3927
Public Info Code: Y 05-DEC-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report for bypass, 14001=Discoaster neoerectus, middle Miocene reworking begins at 14670 and occurs through last sample examined

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14000 /13164	DEF AT first sample examined	DEF AT
14001 /13165	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14130 /13255	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14490 /13515	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14670 /13648	DEF AT reworked material	DEF AT
16080 /14704	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
16380 /14933	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
16470 /15002	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
16590 /15094	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941	Date of Summary: 01-MAR-1999	First Sample Examined: 16480
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 22435
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 21745
API Well Number: 608174082003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11080 - 22420	Water Depth: 3927
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** 19630=middle Miocene zone of reworking, the rarity or lack of *Bolivina floridana* (20080), *Bolivina L* (20140), *Gyroidina scalata*, and *Uvigerina 3* may be due to either environmental intolerances or possibly missing section, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16480 /16079	DEF AT first sample examined	DEF AT 6
16481 /16080	DEF AT local marker planktic foram increase	DEF AT 6
16630 /16214	DEF AT Upper Miocene (Tortonian) <i>Bolivina thalmani</i>	DEF AT 6
16720 /16294	DEF AT transported shelf fauna	DEF AT 5
16780 /16348	POS AT Upper Miocene (Tortonian) <i>Globoquadrina dehiscens</i>	DEF AT 5
16960 /16509	DEF AT faunal change (no faunal increase)	POS AT 5
17380 /16883	DEF AT faunal change (no faunal increase)	DEF AT 5
17440 /16937	DEF AT Upper Miocene (Tortonian) <i>Globorotalia linguaensis</i>	DEF AT 5
17530 /17017	DEF AT cement	DEF AT 5
17531 /17018	DEF AT local marker foram decrease	DEF AT 5
17920 /17366	DEF AT faunal change (no faunal increase)	DEF AT 4
18100 /17528	DEF AT local marker planktic foram increase	DEF AT 5
18160 /17582	DEF AT faunal change (no faunal increase)	DEF AT 5
18310 /17719	DEF AT local marker foram increase	DEF AT 6
18311 /17720	DEF AT pyrite	DEF AT 6
18370 /17774	DEF AT faunal change (no faunal increase)	DEF AT 5
18730 /18108	DEF AT Upper Miocene (Tortonian) <i>Textularia "G"</i>	DEF AT 5
18850 /18221	DEF AT Upper Miocene (Tortonian) <i>Cibicides crebbisi</i>	DEF AT 5
19150 /18507	DEF AT local marker planktic foram increase	DEF AT 5
19360 /18709	DEF AT reworked material	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941	Date of Summary: 01-MAR-1999	First Sample Examined: 16480
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 22435
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 21745
API Well Number: 608174082003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11080 - 22420	Water Depth: 3927
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19510 /18853	DEF AT Arenaceous fauna (local marker)	DEF AT 5
19630 /18969	DEF AT cement	DEF AT 5
19631 /18970	DEF AT local marker foram decrease	DEF AT 5
19720 /19057	DEF AT local marker planktic foram increase	DEF AT 6
19780 /19115	DEF AT faunal change (no faunal increase)	DEF AT 5
20020 /19350	DEF AT faunal change (no faunal increase)	DEF AT 4
20140 /19468	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20350 /19674	DEF AT faunal change (no faunal increase)	DEF AT 5
20470 /19793	DEF AT local marker planktic foram increase	DEF AT 5
20590 /19911	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
21130 /20445	DEF AT faunal change (no faunal increase)	POS AT 5
21430 /20744	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21460 /20774	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
21640 /20953	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21700 /21013	POS IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
21850 /21162	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
21880 /21192	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
22030 /21342	DEF AT local marker planktic foram increase	DEF AT 6
22150 /21461	DEF AT faunal change (no faunal increase)	DEF AT 5
22210 /21521	DEF AT Arenaceous fauna (local marker)	DEF AT 5
22420 /21730	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941	Date of Summary: 01-MAR-1999	First Sample Examined: 16450
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 22435
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 21745
API Well Number: 608174082003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16450 - 22420	Water Depth: 3927
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16450 /16052	DEF AT first sample examined	DEF AT
16451 /16053	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17110 /16642	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18100 /17528	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
18350 /17755	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18820 /18193	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19000 /18364	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19750 /19086	DEF AT local marker floral increase	DEF AT
20770 /20089	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20860 /20178	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21010 /20326	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21130 /20445	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21430 /20744	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21760 /21073	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (very rare)	DEF AT
22030 /21342	DEF AT local marker floral increase	DEF AT
22420 /21730	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941	Date of Summary: 25-FEB-2005	First Sample Examined: 9990
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 29103
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 26852
API Well Number: 608174105300	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9990 - 29103	Water Depth: 3841
Public Info Code: Y 29-DEC-2014	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9988	DEF AT first sample examined	DEF AT
9991 / 9989	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10280 /10278	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10380 /10378	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10830 /10828	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11040 /11038	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12210 /12208	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
13770 /13767	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14730 /14727	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15180 /15177	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF AT
17820 /17817	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19790 /19556	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20240 /19905	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20750 /20296	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21350 /20759	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
22040 /21283	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23000 /22019	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
24080 /22855	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
24380 /23085	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
24620 /23269	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26030 /24365	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
28909 /26695	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT

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 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 941	Date of Summary: 25-FEB-2005	First Sample Examined: 9990
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 29103
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 26852
API Well Number: 608174105300	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9990 - 29103	Water Depth: 3841
Public Info Code: Y 29-DEC-2014	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28910 /26696	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
29103 /26853	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 942	Date of Summary: 01-MAR-2001	First Sample Examined: 14740
Lease Number: G09895	Source of Paleo: OPERATOR	Borehole MD: 20907
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18601
API Well Number: 608174082401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14740 - 20890	Water Depth: 3957
Public Info Code: Y 10-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 17920=first Melonis pompilioides

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14740 /14740	DEF AT first sample examined	POS AT 4
15040 /15036	DEF AT faunal change (no faunal increase)	DEF AT 4
16090 /15962	DEF AT faunal change (no faunal increase)	POS AT 4
16630 /16297	DEF IN Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 4
16690 /16330	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
16900 /16443	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
18070 /17072	DEF AT faunal change (no faunal increase)	DEF AT 4
18310 /17201	DEF AT faunal change (no faunal increase)	POS AT 4
18460 /17281	DEF AT faunal change (no faunal increase)	DEF AT 4
18669 /17391	DEF AT foram flood	DEF AT 4
18670 /17392	DEF IN Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 4
20890 /18592	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 942	Date of Summary: 15-JUL-1999	First Sample Examined: 6000
Lease Number: G09904	Source of Paleo: OPERATOR	Borehole MD: 18200
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18200
API Well Number: 608174082400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 6000 - 18210	Water Depth: 3960
Public Info Code: Y 27-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6000 / 6000	DEF AT first sample examined	DEF AT
6001 / 6001	DEF IN Upper Pleistocene (Ionian) Pontosphaera indooceanica	DEF AT
7470 / 7470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
7830 / 7830	DEF AT sample gap top	POS IN 4
12989 /12989	DEF AT sample gap bottom	DEF IN 4
12990 /12990	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 4
13050 /13050	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 4
13710 /13710	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 4
13740 /13740	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF IN 4
14280 /14280	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF IN 4
14430 /14430	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
15150 /15150	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
15210 /15210	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
16830 /16829	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 4
17250 /17249	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
17610 /17609	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
18202 /18200	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 956	Date of Summary: 03-APR-2009	First Sample Examined: 9803
Lease Number: G22918	Source of Paleo: OPERATOR	Borehole MD: 11700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11700
API Well Number: 608174115400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9803 - 11700	Water Depth: 6830
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9803 / 9803	DEF AT first sample examined	DEF AT 5
9830 / 9830	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9890 / 9890	DEF AT out-of-place section	DEF AT 5
10040 /10040	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
10070 /10070	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
10159 /10159	POS AT maximum flooding surface	DEF AT 5
10160 /10160	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
10220 /10220	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
10307 /10307	POS AT unconformity	DEF IN 5
10308 /10308	POS AT maximum flooding surface	DEF IN 5
10309 /10309	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
10310 /10310	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10610 /10610	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
10640 /10640	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10789 /10789	POS AT maximum flooding surface	DEF IN 5
10790 /10790	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
10940 /10940	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
11030 /11030	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11059 /11059	POS AT maximum flooding surface	DEF AT 6
11060 /11060	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11148 /11148	POS AT maximum flooding surface	DEF AT 6
11149 /11149	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 956  
Lease Number: G22918  
Well Name: 001  
API Well Number: 608174115400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-SEP-2011

Date of Summary: 03-APR-2009  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 9803 - 11700  
Ecozone Eq MMS: Y

First Sample Examined: 9803  
Borehole MD: 11700  
Borehole TVD: 11700  
Rkb Elevation: 92  
Water Depth: 6830  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11150 /11150	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11479 /11479	POS AT maximum flooding surface	DEF AT 6
11480 /11480	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11510 /11510	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
11699 /11699	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11700 /11700	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 956	<b>Date of Summary:</b> 13-MAY-2009	<b>First Sample Examined:</b> 11810
<b>Lease Number:</b> G22918	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16520
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16303
<b>API Well Number:</b> 608174115401	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11810 - 16520	<b>Water Depth:</b> 6830
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11810 /11809	DEF AT first sample examined	DEF AT 6
11811 /11810	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11812 /11811	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12170 /12168	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
12439 /12435	POS AT maximum flooding surface	DEF AT 6
12440 /12436	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
12710 /12705	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
12800 /12794	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
12830 /12824	DEF AT - - - - -	DEF AT 5
13550 /13523	POS AT maximum flooding surface	DEF AT 5
13608 /13578	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
13609 /13579	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
13610 /13580	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 5
13790 /13749	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
14538 /14449	POS AT maximum flooding surface	DEF AT 5
14539 /14450	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
14540 /14451	POS IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
14569 /14478	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
14570 /14479	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14660 /14563	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
15680 /15517	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
15920 /15742	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 956	<b>Date of Summary:</b> 13-MAY-2009	<b>First Sample Examined:</b> 11810
<b>Lease Number:</b> G22918	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16520
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16303
<b>API Well Number:</b> 608174115401	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11810 - 16520	<b>Water Depth:</b> 6830
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16400 /16190	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
16458 /16245	POS AT maximum flooding surface	DEF AT 5
16459 /16246	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
16460 /16247	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
16520 /16303	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 961	Date of Summary: 24-JUN-2005	First Sample Examined: 10214
Lease Number: G26281	Source of Paleo: OPERATOR	Borehole MD: 18607
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17500
API Well Number: 608174106600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 10214 - 18607	Water Depth: 7927
Public Info Code: Y 19-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10214 /10214	DEF AT first sample examined	DEF AT 5
10260 /10260	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
12450 /12450	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12480 /12480	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12540 /12540	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
12600 /12600	DEF AT -----	DEF IN 5
12810 /12810	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12960 /12960	DEF AT -----	DEF AT 5
13080 /13080	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13380 /13380	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
13410 /13410	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13650 /13650	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
13890 /13888	DEF AT -----	DEF AT 6
13950 /13947	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14100 /14092	DEF AT -----	DEF IN 5
14220 /14205	DEF AT -----	DEF AT 5
14370 /14343	DEF AT -----	DEF AT 6
14670 /14603	DEF AT -----	DEF AT 5
14910 /14779	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
18030 /16934	POS IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
18270 /17167	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
18607 /17499	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 961	Date of Summary: 24-JUN-2005	First Sample Examined: 10214
Lease Number: G26281	Source of Paleo: OPERATOR	Borehole MD: 18607
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17500
API Well Number: 608174106600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 10214 - 18607	Water Depth: 7927
Public Info Code: Y 19-AUG-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10214 /10214	DEF AT first sample examined	DEF AT
10260 /10260	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11700 /11700	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11970 /11970	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12570 /12570	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12780 /12780	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12840 /12840	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13110 /13110	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13440 /13440	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13590 /13590	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13950 /13947	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14280 /14261	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14310 /14288	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14910 /14779	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15240 /14971	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15420 /15064	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15930 /15325	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17880 /16790	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18209 /17107	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18210 /17108	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18607 /17499	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 961	Date of Summary: 13-JUL-2005	First Sample Examined: 13590
Lease Number: G26281	Source of Paleo: OPERATOR	Borehole MD: 16070
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16000
API Well Number: 608174106601	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 13590 - 16070	Water Depth: 7925
Public Info Code: Y 19-AUG-2014	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13590 /13590	DEF AT first sample examined	DEF AT
13950 /13950	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
14310 /14306	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14370 /14364	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14550 /14536	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14580 /14564	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14669 /14647	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14670 /14648	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14880 /14844	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15120 /15071	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15330 /15272	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15450 /15387	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15839 /15770	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15840 /15771	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16049 /15980	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16050 /15981	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16070 /16001	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 961	Date of Summary: 14-JUL-2005	First Sample Examined: 13590
Lease Number: G26281	Source of Paleo: OPERATOR	Borehole MD: 16070
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16000
API Well Number: 608174106601	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 13590 - 16070	Water Depth: 7925
Public Info Code: Y 19-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13590 /13590	DEF AT first sample examined	DEF AT 5
13591 /13591	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14190 /14188	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
14370 /14364	DEF AT local marker planktic foram increase	DEF AT 6
14700 /14676	DEF AT faunal change (no faunal increase)	DEF AT 5
14850 /14816	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15480 /15416	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
16049 /15980	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
16050 /15981	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16070 /16001	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 972	Date of Summary: 01-DEC-1995	First Sample Examined: 3960
Lease Number: G13689	Source of Paleo: OPERATOR	Borehole MD: 10088
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10085
API Well Number: 608174052500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 3960 - 10080	Water Depth: 2420
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3960 / 3959	DEF AT first sample examined	DEF AT 4
4020 / 4019	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4350 / 4348	DEF AT local marker foram increase	DEF AT 6
5040 / 5038	DEF AT -----	DEF AT 4
5370 / 5368	DEF AT local marker foram increase	DEF AT 5
6300 / 6298	DEF AT local marker foram increase	DEF AT 5
6660 / 6657	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6900 / 6897	DEF AT -----	DEF AT 4
7500 / 7497	DEF AT -----	POS AT 3
7680 / 7677	DEF AT local marker foram increase	DEF AT 4
7770 / 7767	DEF AT -----	DEF AT 5
7800 / 7797	DEF AT reworked material	DEF AT 5
7920 / 7917	DEF AT -----	POS AT 5
8160 / 8157	DEF AT -----	DEF AT 4
8640 / 8637	DEF AT -----	DEF AT 3
8820 / 8817	DEF AT local marker foram increase	DEF AT 4
8850 / 8847	DEF AT -----	DEF AT 5
8940 / 8937	DEF AT -----	DEF AT 4
9030 / 9027	DEF AT sample gap top	POS AT 4
9145 / 9142	DEF AT sample gap bottom	POS AT 3
9510 / 9507	DEF AT -----	POS AT 3
9960 / 9957	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 972	Date of Summary: 01-DEC-1995	First Sample Examined: 3960
Lease Number: G13689	Source of Paleo: OPERATOR	Borehole MD: 10088
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10085
API Well Number: 608174052500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 3960 - 10080	Water Depth: 2420
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10080 /10077	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 972	Date of Summary: 25-DEC-1995	First Sample Examined: 3960
Lease Number: G13689	Source of Paleo: OPERATOR	Borehole MD: 10088
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10085
API Well Number: 608174052500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 3960 - 10080	Water Depth: 2420
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3960 / 3959	DEF AT first sample examined	DEF AT
7800 / 7797	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10080 /10077	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 983	Date of Summary: 05-FEB-2014	First Sample Examined: 21780
Lease Number: G34468	Source of Paleo: OPERATOR	Borehole MD: 28573
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28573
API Well Number: 608174126700	Drilling Operator: APACHE DEEPWATER LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 21780 - 28573	Water Depth: 4323
Public Info Code: Y 15-NOV-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21780 /21780	DEF AT first sample examined	POS AT 5
21781 /21781	DEF IN out-of-place section	POS AT 5
21782 /21782	POS AT Lower Oligocene	POS AT 5
21795 /21795	DEF AT base of salt	POS AT 5
21823 /21823	DEF IN out-of-place section	DEF AT 5
21824 /21824	POS IN Lower Oligocene	DEF AT 5
22230 /22230	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
22380 /22380	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
22440 /22440	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
22740 /22740	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
22752 /22752	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
22920 /22920	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT 5
23010 /23010	POS AT local marker floral increase	DEF AT 5
23129 /23129	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23130 /23130	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
23340 /23340	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
23640 /23640	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25019 /25019	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
25020 /25020	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
25350 /25350	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
25620 /25620	POS IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
25740 /25740	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 983	Date of Summary: 05-FEB-2014	First Sample Examined: 21780
Lease Number: G34468	Source of Paleo: OPERATOR	Borehole MD: 28573
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28573
API Well Number: 608174126700	Drilling Operator: APACHE DEEPWATER LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 21780 - 28573	Water Depth: 4323
Public Info Code: Y 15-NOV-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26160 /26160	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
26670 /26670	DEF AT reworked material	DEF AT 5
27390 /27390	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
27840 /27840	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
27900 /27900	DEF AT local marker floral increase	DEF AT 5
27929 /27929	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
27930 /27930	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
28200 /28200	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 5
28259 /28259	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 5
28260 /28260	POS AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 5
28289 /28289	POS IN Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
28290 /28290	POS AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
28349 /28349	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
28350 /28350	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
28500 /28500	POS AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 5
28530 /28530	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
28559 /28559	POS AT unconformity	DEF AT 5
28560 /28560	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
28573 /28573	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 988	Date of Summary: 03-JUL-2000	First Sample Examined: 6670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 8170=Globorotalia nepenthes increase

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6670 / 6670	DEF AT first sample examined	POS AT 5
6671 / 6671	DEF AT cement	POS AT 5
6790 / 6790	DEF AT local marker foram increase	DEF AT 5
6970 / 6970	DEF AT faunal change (no faunal increase)	DEF AT 5
7000 / 7000	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7030 / 7030	DEF AT faunal change (no faunal increase)	DEF AT 5
7060 / 7060	DEF AT local marker foram increase	DEF AT 5
7300 / 7300	DEF AT local marker foram increase	DEF AT 5
7510 / 7510	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7660 / 7660	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7690 / 7690	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7720 / 7720	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
7810 / 7810	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7840 / 7840	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
7900 / 7900	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
8050 / 8050	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
8170 / 8170	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
8320 / 8320	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
8500 / 8500	DEF AT local marker planktic foram increase	DEF AT 5
8620 / 8620	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
8650 / 8650	DEF AT local marker foram increase	DEF AT 5
8980 / 8980	DEF AT sample gap top	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 988	Date of Summary: 03-JUL-2000	First Sample Examined: 6670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16400 /	DEF AT sample gap bottom	POS AT 5
16410 /	DEF AT Middle Eocene	POS AT 5
16490 /	DEF AT local marker foram increase	DEF AT 5
16880 /	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
16910 /	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
16970 /	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
17060 /	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
17210 /	DEF AT pyrite	DEF AT 5
17450 /	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
18200 /	POS AT pyrite	DEF AT 5
18290 /	DEF AT limestone	DEF AT 5
18680 /	DEF AT transported shelf fauna	POS AT 5
18710 /	DEF AT local marker planktic foram increase	POS AT 5
18740 /	DEF AT faunal change (no faunal increase)	DEF AT 5
19039 /	DEF AT limestone	DEF AT 5
19040 /	DEF AT local marker foram increase	DEF AT 5
19280 /	DEF AT turbid water facies	POS AT 5
19340 /	DEF AT faunal change (no faunal increase)	DEF AT 5
19430 /	DEF AT turbid water facies	POS AT 5
19460 /	DEF AT Arenaceous fauna (local marker)	POS AT 5
19490 /	DEF AT faunal change (no faunal increase)	DEF AT 5
19500 /	DEF AT sample gap top	POS AT 5
19619 /	DEF AT sample gap bottom	POS AT 5
19620 /	DEF AT turbid water facies	POS AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 988  
Lease Number: G15528  
Well Name: 001  
API Well Number: 608174088100  
Paleo Report Num: 1 of 2  
Public Info Code: Y 30-JUN-2005

Date of Summary: 03-JUL-2000  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC  
Sample Range: 6670 - 21536  
Ecozone Eq MMS: Y

First Sample Examined: 6670  
Borehole MD: 14136  
Borehole TVD: 14125  
Rkb Elevation: 82  
Water Depth: 4385  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19650 /	DEF AT sand	DEF AT 5
19890 /	POS AT local marker foram increase	DEF AT 5
20220 /	DEF AT transported shelf fauna	POS AT 5
20460 /	DEF AT turbid water facies	POS AT 5
20490 /	DEF AT Arenaceous fauna (local marker)	POS AT 5
20549 /	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
20550 /	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
20580 /	DEF AT turbid water facies	POS AT 5
20730 /	POS AT Arenaceous fauna (local marker)	POS AT 5
21090 /	DEF AT faunal change (no faunal increase)	DEF AT 5
21120 /	DEF AT local marker foram increase	DEF AT 5
21300 /	DEF AT faunal change (no faunal increase)	POS AT 5
21536 /	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 988	Date of Summary: 01-SEP-2001	First Sample Examined: 7670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, paleo done by Theresa MDunn, mixed assemblages found from 8410 to 8980, and from 16420 to 16640, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6670 / 6670	DEF AT first sample examined	DEF AT
7030 / 7030	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7210 / 7210	DEF AT reworked material	DEF AT
7510 / 7510	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7540 / 7540	DEF AT reworked material	DEF AT
7554 / 7554	DEF AT reworked material	DEF AT
7660 / 7660	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7690 / 7690	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
7750 / 7750	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7780 / 7780	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
7840 / 7840	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
7900 / 7900	POS IN Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
7930 / 7930	DEF IN Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
8020 / 8020	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8050 / 8050	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8260 / 8260	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
8290 / 8290	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
8320 / 8320	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8350 / 8350	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8410 / 8410	DEF AT out-of-place section	DEF AT
8500 / 8500	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 988	Date of Summary: 01-SEP-2001	First Sample Examined: 7670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8560 / 8560	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8950 / 8950	DEF AT sample gap top	DEF AT
8980 / 8980	DEF AT salt	DEF AT
16369 /	DEF AT base of salt	DEF AT
16370 /	DEF AT reworked material	DEF AT
16400 /	DEF AT reworked material	DEF AT
16420 /	DEF AT out-of-place section	DEF AT
16500 /	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16640 /	POS AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
17200 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17930 /	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18230 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18560 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18950 /	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20820 /	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21536 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MC 1002	<b>Date of Summary:</b> 20-JUN-2000	<b>First Sample Examined:</b> 10400
<b>Lease Number:</b> G16670	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21778
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21764
<b>API Well Number:</b> 608174085700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 10400 - 21720	<b>Water Depth:</b> 7416
<b>Public Info Code:</b> Y 14-JUL-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 20790=mixed Miocene, Oligocene and Eocene flora, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 /10400	DEF AT first sample examined	DEF AT
10401 /10401	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10430 /10430	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10460 /10460	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10520 /10520	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10550 /10550	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
10551 /10551	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10610 /10610	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
10611 /10611	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10640 /10640	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10670 /10670	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
10671 /10671	POS AT Upper Eocene (Priabonian) Micrantholithus altus	DEF AT
10700 /10700	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10715 /10715	DEF AT salt	DEF AT
13759 /13756	DEF AT base of salt	DEF AT
13760 /13757	POS IN Eocene	DEF AT
13970 /13966	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13971 /13967	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14629 /14623	DEF AT reworked material	DEF AT
14630 /14624	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15470 /15462	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 1 of 3	Sample Range: 10400 - 21720	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15900 /15891	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16470 /16461	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16770 /16761	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17550 /17539	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17700 /17689	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18000 /17989	POS AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
18600 /18588	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
18690 /18678	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19500 /19488	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
20070 /20058	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20610 /20598	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20611 /20599	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20790 /20778	POS AT gouge	DEF AT
21719 /21706	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
21720 /21707	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 003

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 /10400	DEF AT first sample examined	DEF IN 4
10401 /10401	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10430 /10430	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
10490 /10490	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
10550 /10550	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 4
10580 /10580	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 4
10620 /10620	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
10650 /10650	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
10680 /10680	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
10710 /10710	DEF AT Upper (Late) Eocene	DEF IN 4
10715 /10715	DEF AT salt	DEF IN 4
13760 /13757	DEF AT -----	DEF AT 5
13779 /13776	DEF AT foram flood	DEF AT 5
13780 /13777	DEF AT Eocene	DEF AT 5
13850 /13847	DEF AT local marker foram decrease	DEF AT 5
13940 /13937	DEF AT -----	DEF AT 4
14030 /14026	POS AT reworked material	DEF AT 4
14120 /14116	DEF AT sand	DEF AT 4
14330 /14325	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
14480 /14475	DEF AT -----	DEF AT 4
14870 /14863	DEF AT -----	DEF IN 3
15170 /15163	DEF AT local marker foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15260 /15253	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
15500 /15492	DEF AT -----	DEF AT 4
15630 /15622	DEF AT -----	DEF AT 5
15870 /15861	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
16140 /16131	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 4
16290 /16281	DEF AT -----	DEF AT 4
16380 /16371	DEF AT -----	DEF IN 4
16560 /16551	DEF AT -----	DEF AT 4
16680 /16671	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16800 /16791	DEF AT local marker foram increase	DEF AT 5
16860 /16851	DEF AT -----	DEF AT 4
17160 /17150	DEF AT local white Arenaceous fauna	DEF AT 4
17190 /17180	DEF AT local marker foram increase	DEF AT 5
17790 /17779	DEF AT -----	DEF AT 4
18000 /17989	DEF AT local marker foram decrease	DEF IN 3
18030 /18018	DEF AT Arenaceous fauna (local marker)	DEF IN 3
18360 /18348	DEF AT -----	DEF AT 4
18570 /18558	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
18840 /18828	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
19050 /19038	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
19260 /19248	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
19949 /19937	DEF AT reworked material	DEF AT 4
19950 /19938	POS AT Eocene	DEF AT 4
20070 /20058	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20280 /20268	DEF AT - - - - -	DEF IN 4
20550 /20538	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
20820 /20808	DEF AT sand	DEF AT 5
20939 /20927	DEF AT reworked material	DEF IN 4
20940 /20928	DEF AT Eocene	DEF IN 4
21270 /21258	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
21540 /21528	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
21570 /21558	DEF AT local marker foram increase	DEF IN 4
21710 /21697	DEF AT local marker foram decrease	DEF AT 5
21720 /21707	POS IN Oligocene	DEF AT 5
21735 /21722	DEF AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF AT 5
21750 /21737	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
21778 /21765	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 1002	Date of Summary: 31-JUL-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 3 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 20740=mix pf Miocene/Oligocene/Eocene nannos, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 /10400	DEF AT first sample examined	DEF AT
10401 /10401	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10430 /10430	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10460 /10460	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10520 /10520	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10550 /10550	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10551 /10551	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
10610 /10610	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10611 /10611	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
10640 /10640	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10641 /10641	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
10670 /10670	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
10700 /10700	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10715 /10715	DEF AT salt	DEF AT
13767 /13764	DEF AT base of salt	DEF AT
13970 /13966	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13971 /13967	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15290 /15282	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
15470 /15462	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
15900 /15891	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16470 /16461	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MC 1002	Date of Summary: 31-JUL-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 3 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16770 /16761	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17550 /17539	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17700 /17689	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18600 /18588	DEF IN Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
18690 /18678	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19500 /19488	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
20069 /20057	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
20070 /20058	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20310 /20298	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
20550 /20538	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
20610 /20598	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20611 /20599	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20740 /20728	POS AT gouge	DEF AT
21540 /21528	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
21720 /21707	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
21778 /21765	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 487	Date of Summary: 24-JUL-1994	First Sample Examined: 8000
Lease Number: G07194	Source of Paleo: OPERATOR	Borehole MD: 10850
Well Name: A003	Paleo Done By: PALEO SOURCE	Borehole TVD: 10533
API Well Number: 427034047600	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 8000 - 10850	Water Depth: 65
Public Info Code: Y 21-JUL-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8060 / 7785	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 555  
 Lease Number: G03080  
 Well Name: C003  
 API Well Number: 427034008902  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 16-JAN-2004

Date of Summary: 12-MAR-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: ENRON CORP  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 10615  
 Borehole TVD: 9492  
 Rkb Elevation: 115  
 Water Depth: 75  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6050 / 5420	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6798 / 6013	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8917 / 7831	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 555  
Lease Number: G03080  
Well Name: C017  
API Well Number: 427034047100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 26-MAR-2004

Date of Summary: 14-MAR-1994  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ENRON CORP  
Sample Range: 5760 - 14669  
Ecozone Eq MMS: Y

First Sample Examined: 5760  
Borehole MD: 14665  
Borehole TVD: 9530  
Rkb Elevation: 130  
Water Depth: 75  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
5760 / 4342	DEF AT first sample examined	DEF	AT 2
6180 / 4546	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT 2
7530 / 5295	DEF AT - - - - -	DEF	AT 3
7560 / 5311	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT 3
7800 / 5447	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF	AT 3
10350 / 6974	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF	AT 3
10860 / 7282	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT 3
11310 / 7553	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	AT 3
13470 / 8734	DEF AT - - - - -	POS	AT 4
14669 /	DEF AT last sample examined	POS	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 565	Date of Summary: 19-NOV-1998	First Sample Examined: 6020
Lease Number: G18885	Source of Paleo: OPERATOR	Borehole MD: 8580
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8241
API Well Number: 427034052000	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 6020 - 8570	Water Depth: 79
Public Info Code: Y 13-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 6019	DEF AT first sample examined	POS IN 3
6680 / 6662	POS AT Lower Miocene (Burdigalian) Robulus 54B	POS IN 3
6980 / 6934	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	POS IN 3
7460 / 7334	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	POS IN 3
8570 / 8235	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MI 586	<b>Date of Summary:</b> 14-FEB-1996	<b>First Sample Examined:</b> 5292
<b>Lease Number:</b> G14791	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11316
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO CONTROL INC.	<b>Borehole TVD:</b> 7500
<b>API Well Number:</b> 427034049000	<b>Drilling Operator:</b> EOG RESOURCES INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5292 - 11340	<b>Water Depth:</b> 85
<b>Public Info Code:</b> Y 16-AUG-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5292 / 3921	DEF AT first sample examined	DEF AT
6030 / 4356	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6299 / 4517	POS AT unconformity	DEF AT
6300 / 4517	DEF AT local marker planktic foram increase	DEF AT
7920 / 5472	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10350 / 6921	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11340 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 589	Date of Summary: 08-FEB-1993	First Sample Examined: 0
Lease Number: G10196	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8945
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 8943
API Well Number: 427034044500	Drilling Operator: ODECO DRILLING INC	Rkb Elevation: 70
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 15-NOV-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5140 / 5139	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
5320 / 5319	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
5920 / 5919	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
6790 / 6789	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
7180 / 7179	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8020 / 8018	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 589	Date of Summary: 18-MAY-1999	First Sample Examined: 0
Lease Number: G10196	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8784
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 7834
API Well Number: 427034049800	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 15-NOV-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4850 / 4824	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT
5690 / 5530	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
5900 / 5689	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6920 / 6434	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8210 / 7396	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT
8750 / 7807	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 591	Date of Summary: 02-APR-1990	First Sample Examined: 5060
Lease Number: G08101	Source of Paleo: OPERATOR	Borehole MD: 12711
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10872
API Well Number: 427034040600	Drilling Operator: ATLANTIC RICHFIELD COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 5060 - 12680	Water Depth: 76
Public Info Code: Y 06-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5060 / 5060	DEF AT first sample examined	DEF AT 2
5061 / 5061	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
6170 / 6160	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
6350 / 6335	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
6710 / 6674	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
7250 / 7143	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 2
7640 / 7448	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 2
8900 / 8294	DEF AT Eggerella sp. (local marker)	DEF AT 3
9440 / 8623	DEF AT Arenaceous fauna (local marker)	DEF AT 3
9620 / 8741	DEF AT Bathysiphon fauna	DEF AT 3
9980 / 8982	DEF AT local marker foram increase	DEF AT 4
10040 / 9022	DEF AT Bathysiphon fauna	DEF AT 4
10400 / 9259	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 3
10580 / 9377	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
12380 /10611	DEF AT Bathysiphon fauna	DEF AT 3
12680 /10847	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 603	Date of Summary: 27-AUG-1999	First Sample Examined: 0
Lease Number: G03087	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10292
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 8967
API Well Number: 427034047900	Drilling Operator: SAMSON CONTOUR ENERGY E&P LLC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 05-OCT-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 7904	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 618	Date of Summary: 07-FEB-1996	First Sample Examined: 0
Lease Number: G07201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8230
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7984
API Well Number: 427034049600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 10-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5750 / 5736	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6790 / 6672	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 620	Date of Summary: 04-OCT-1991	First Sample Examined: 0
Lease Number: G03087	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8956
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 8952
API Well Number: 427034043500	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 08-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7772 / 7769	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 620	Date of Summary: 25-AUG-1993	First Sample Examined: 0
Lease Number: G03087	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10753
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 8503
API Well Number: 427034046000	Drilling Operator: SCANA PETROLEUM RESOURCES INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 15-AUG-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9360 / 7666	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 620	Date of Summary: 02-MAY-1993	First Sample Examined: 0
Lease Number: G03087	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8830
Well Name: JA006	Paleo Done By: OPERATOR	Borehole TVD: 7702
API Well Number: 427034045100	Drilling Operator: SCANA PETROLEUM RESOURCES INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 23-APR-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7500 / 6806	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 622	Date of Summary: 13-AUG-1996	First Sample Examined: 0
Lease Number: G05000	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16176
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 15597
API Well Number: 427034048400	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 86
Public Info Code: Y 21-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12955 /12950	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT
16080 /15537	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 622	Date of Summary: 09-OCT-1997	First Sample Examined: 0
Lease Number: G05000	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13535
Well Name: D002	Paleo Done By: OPERATOR	Borehole TVD: 12994
API Well Number: 427034050200	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 86
Public Info Code: Y 10-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11070 /10889	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 623	Date of Summary: 26-APR-1995	First Sample Examined: 0
Lease Number: G03088	Source of Paleo: OPERATOR	Borehole MD: 13327
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 13324
API Well Number: 427034039900	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 80
Public Info Code: Y 18-JUL-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9470 / 9469	DEF AT first sample examined	DEF IN 3
10130 /10128	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF IN 3
10190 /10188	DEF AT -----	DEF AT 2
10400 /10398	DEF AT sample gap top	POS AT 2
10820 /10817	DEF AT sample gap bottom	DEF AT 1
12150 /12147	DEF AT -----	DEF AT 2
12600 /12597	DEF AT -----	DEF AT 1
12960 /12957	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 1
13020 /13017	DEF AT -----	DEF AT 2
13290 /13287	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 2
13320 /13317	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 624	Date of Summary: 07-NOV-1995	First Sample Examined: 0
Lease Number: G03306	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9470
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 9400
API Well Number: 427034049100	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 25-FEB-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6795 / 6760	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8785 / 8716	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 633	Date of Summary: 12-JUL-1990	First Sample Examined: 5030
Lease Number: G06042	Source of Paleo: OPERATOR	Borehole MD: 8950
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8950
API Well Number: 427034041200	Drilling Operator: SANTA FE INTERNATIONAL CORPOR	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 5030 - 8950	Water Depth: 78
Public Info Code: Y 07-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5030 / 5029	DEF AT first sample examined	DEF IN 2
5780 / 5779	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
6290 / 6289	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
7580 / 7579	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
8360 / 8359	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
8950 / 8948	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 633	Date of Summary: 19-JAN-1996	First Sample Examined: 0
Lease Number: G06042	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9688
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9294
API Well Number: 427034044600	Drilling Operator: SANTA FE INTERNATIONAL CORPOR	Rkb Elevation: 144
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 14-APR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4740 / 4677	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
4980 / 4900	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6000 / 5828	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
6420 / 6212	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9090 / 8723	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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End Date: 01-DEC-2016

Area Block: MI 633	Date of Summary: 21-FEB-1997	First Sample Examined: 0
Lease Number: G06042	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8193
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 5693
API Well Number: 427034050600	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 72
Public Info Code: Y 19-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6388 / 5693	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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End Date: 01-DEC-2016

Area Block: MI 633	Date of Summary: 02-JUL-1997	First Sample Examined: 0
Lease Number: G06042	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8970
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 5694
API Well Number: 427034051000	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 72
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6850 / 5686	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 633	Date of Summary: 24-AUG-1994	First Sample Examined: 4950
Lease Number: G07202	Source of Paleo: OPERATOR	Borehole MD: 9435
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8696
API Well Number: 427034047200	Drilling Operator: SANTA FE MINERALS INC	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 4950 - 9435	Water Depth: 80
Public Info Code: Y 03-SEP-2004	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4950 / 4813	DEF AT first sample examined	DEF AT 2
5060 / 4905	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
6170 / 5817	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
6740 / 6306	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
8090 / 7504	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
8990 / 8299	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
9435 / 8696	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 633	Date of Summary: 22-JUN-1998	First Sample Examined: 0
Lease Number: G07202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13140
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 11040
API Well Number: 427034051601	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9323 / 8365	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10244 / 8987	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 634  
Lease Number: G07202  
Well Name: F002  
API Well Number: 427034038701  
Paleo Report Num: 1 of 1  
Public Info Code: Y 15-JUN-2001

Date of Summary: 20-MAY-1991  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: SANTA FE MINERALS INC  
Sample Range: 6757 - 9539  
Ecozone Eq MMS: Y

First Sample Examined: 6757  
Borehole MD: 9539  
Borehole TVD: 9240  
Rkb Elevation: 87  
Water Depth: 81  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6757 / 6751	DEF AT first sample examined	DEF AT 2
6758 / 6752	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 2
7660 / 7621	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
8500 / 8349	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
9310 / 9046	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
9539 / 9240	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 635	Date of Summary: 21-OCT-1997	First Sample Examined: 0
Lease Number: G03088	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14078
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 13486
API Well Number: 427034051100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 89
Public Info Code: Y 12-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13620 /13028	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 635	Date of Summary: 11-SEP-1995	First Sample Examined: 0
Lease Number: G06043	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15655
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 15608
API Well Number: 427034048800	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 85
Public Info Code: Y 16-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13175 /13158	DEF IN Lower Miocene (Aquitainian) Siphonina davis	DEF AT
15250 /15218	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 636	Date of Summary: 19-NOV-1994	First Sample Examined: 0
Lease Number: G13768	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18834
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18803
API Well Number: 427034046100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 86
Public Info Code: Y 01-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12800 /12797	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
14960 /14951	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT
18080 /18041	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 636	Date of Summary: 18-JAN-1995	First Sample Examined: 0
Lease Number: G13768	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13718
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13707
API Well Number: 427034047800	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 86
Public Info Code: Y 01-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12290 /12285	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 638	Date of Summary: 11-APR-1990	First Sample Examined: 0
Lease Number: G06044	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11356
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9527
API Well Number: 427034040900	Drilling Operator: ENRON CORP	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 106
Public Info Code: Y 18-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5870 / 5008	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6902 / 5760	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7605 / 6275	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 638	Date of Summary: 23-NOV-1994	First Sample Examined: 0
Lease Number: G06044	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9775
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 9082
API Well Number: 427034037200	Drilling Operator: ENRON CORP	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 96
Public Info Code: Y 29-FEB-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5137	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6040 / 5726	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7450 / 6961	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8130 / 7577	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT



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End Date: 01-DEC-2016

Area Block: MI 638	Date of Summary: 06-SEP-1994	First Sample Examined: 0
Lease Number: G06044	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10061
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 9105
API Well Number: 427034040800	Drilling Operator: ENRON CORP	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 96
Public Info Code: Y 10-FEB-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5157	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6040 / 5728	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7450 / 6935	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8130 / 7509	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 638	Date of Summary: 21-APR-1998	First Sample Examined: 0
Lease Number: G06044	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10457
Well Name: D002	Paleo Done By: OPERATOR	Borehole TVD: 9138
API Well Number: 427034046800	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 26-DEC-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7055 / 5832	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8242 / 6940	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
10350 / 9032	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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End Date: 01-DEC-2016

Area Block: MI 638	Date of Summary: 20-NOV-1997	First Sample Examined: 0
Lease Number: G06044	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10237
Well Name: D003	Paleo Done By: OPERATOR	Borehole TVD: 9352
API Well Number: 427034046900	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 16-FEB-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6758 / 6011	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7763 / 6908	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 654	Date of Summary: 14-AUG-1990	First Sample Examined: 0
Lease Number: G04546	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14759
Well Name: H002	Paleo Done By: OPERATOR	Borehole TVD: 13485
API Well Number: 427034041900	Drilling Operator: OXY PETROLEUM INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 85
Public Info Code: Y 31-MAY-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10252 / 9636	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11863 / 11011	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 664	Date of Summary: 09-OCT-1990	First Sample Examined: 0
Lease Number: G03463	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8458
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 6686
API Well Number: 427034042500	Drilling Operator: ENRON CORP	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 72
Public Info Code: Y 13-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4193 / 3730	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6153 / 5093	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
7598 / 6141	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 672	Date of Summary: 06-AUG-1993	First Sample Examined: 0
Lease Number: G10198	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10760
Well Name: B004	Paleo Done By: OPERATOR	Borehole TVD: 7742
API Well Number: 427034045700	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 126
Public Info Code: Y 18-JUN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9720 / 7036	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 672	Date of Summary: 13-AUG-1993	First Sample Examined: 0
Lease Number: G10198	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10198
Well Name: B005	Paleo Done By: OPERATOR	Borehole TVD: 8556
API Well Number: 427034045800	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 126
Public Info Code: Y 16-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6015 / 5887	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 672	Date of Summary: 16-DEC-1999	First Sample Examined: 0
Lease Number: G10198	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9549
Well Name: B006	Paleo Done By: OPERATOR	Borehole TVD: 7261
API Well Number: 427034052500	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 125
Public Info Code: Y 14-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8054 / 7185	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 672	Date of Summary: 20-JUL-1990	First Sample Examined: 0
Lease Number: G11268	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8525
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7904
API Well Number: 427034040700	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 128
Public Info Code: Y 31-MAY-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5970 / 5517	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7705 / 7129	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 672	Date of Summary: 27-JAN-1992	First Sample Examined: 0
Lease Number: G11268	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8550
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 7529
API Well Number: 427034043700	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 128
Public Info Code: Y 30-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6885 / 6042	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8227 / 7223	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 672	Date of Summary: 15-SEP-1993	First Sample Examined: 0
Lease Number: G11268	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9463
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 7557
API Well Number: 427034046200	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 125
Public Info Code: Y 30-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7450 / 6061	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9090 / 7270	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 681	Date of Summary: 21-JUN-1993	First Sample Examined: 0
Lease Number: G05171	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9516
Well Name: JA012	Paleo Done By: OPERATOR	Borehole TVD: 8697
API Well Number: 427034045500	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 133
Public Info Code: Y 19-JUN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 6136	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7802 / 7190	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MI 682	<b>Date of Summary:</b> 08-OCT-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05171	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11673
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10533
<b>API Well Number:</b> 427034053400	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 126
<b>Public Info Code:</b> Y 16-DEC-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5667 / 5667	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6060 / 6060	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7283 / 7280	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9030 / 8809	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9767 / 9278	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 682	Date of Summary: 07-MAR-1990	First Sample Examined: 3570
Lease Number: G05171	Source of Paleo: OPERATOR	Borehole MD: 9426
Well Name: B001	Paleo Done By: DAVID L. DUNN	Borehole TVD: 9426
API Well Number: 427034041500	Drilling Operator: TRANSCO EXPLORATION COMPANY	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 3570 - 9430	Water Depth: 115
Public Info Code: Y 01-APR-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3570 / 3570	DEF AT first sample examined	DEF AT 1
3571 / 3571	POS IN Miocene	DEF AT 1
4920 / 4920	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT 2
5640 / 5640	DEF AT -----	DEF AT 3
6150 / 6150	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
6200 / 6200	DEF AT -----	DEF AT 2
6900 / 6900	DEF AT -----	DEF AT 3
7240 / 7240	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8260 / 8260	POS AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
8740 / 8740	DEF AT -----	DEF AT 2
9160 / 9160	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
9430 /	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 683	Date of Summary: 01-MAR-1993	First Sample Examined: 0
Lease Number: G03733	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9300
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 7343
API Well Number: 427034044400	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 124
Public Info Code: Y 19-JAN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6805 / 5517	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7960 / 6376	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 683	Date of Summary: 25-MAR-1993	First Sample Examined: 0
Lease Number: G03733	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8984
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 7488
API Well Number: 427034044700	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 124
Public Info Code: Y 07-FEB-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6215 / 5295	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6680 / 5655	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7648 / 6417	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 683	Date of Summary: 08-AUG-2000	First Sample Examined: 0
Lease Number: G05171	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12221
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9905
API Well Number: 427034052900	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 16-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11220 / 9413	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 683	Date of Summary: 25-AUG-2000	First Sample Examined: 0
Lease Number: G05171	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12950
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10420
API Well Number: 427034052901	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 16-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11218 / 9412	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 683	Date of Summary: 24-MAY-1993	First Sample Examined: 0
Lease Number: G13290	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7995
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 7500
API Well Number: 427034045000	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 122
Public Info Code: Y 05-JUL-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5730 / 5701	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6690 / 6524	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 683	Date of Summary: 22-MAR-1993	First Sample Examined: 0
Lease Number: G13290	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7494
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 7494
API Well Number: 427034043900	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 124
Public Info Code: Y 05-JUL-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5660 / 5660	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6415 / 6415	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 685	Date of Summary: 12-MAY-2003	First Sample Examined: 7980
Lease Number: G04548	Source of Paleo: OPERATOR	Borehole MD: 10897
Well Name: C001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 10897
API Well Number: 427034054400	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 7980 - 10900	Water Depth: 90
Public Info Code: Y 01-JUN-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7980	DEF AT first sample examined	DEF AT 1
7981 / 7981	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 1
8159 / 8159	DEF AT non-marine sediment	DEF AT 0
8160 / 8160	POS AT unconformity	DEF AT 0
8161 / 8161	POS AT condensed section	DEF AT 0
8340 / 8340	DEF AT faunal change (no faunal increase)	DEF AT 1
8909 / 8909	DEF AT non-marine sediment	DEF AT 0
8910 / 8910	POS AT unconformity	DEF AT 0
8911 / 8911	POS AT condensed section	DEF AT 0
9047 / 9047	DEF AT faunal change (no faunal increase)	DEF AT 1
9280 / 9280	POS AT Lower Miocene (Aquitania) Siphonina davis	DEF AT 1
9340 / 9340	POS AT Lower Miocene (Aquitania) Planulina palmerae	DEF AT 1
9370 / 9370	DEF AT non-marine sediment	DEF AT 0
9371 / 9371	POS AT unconformity	DEF AT 0
9372 / 9372	POS AT condensed section	DEF AT 0
9520 / 9520	DEF AT faunal change (no faunal increase)	DEF AT 1
9789 / 9789	DEF AT non-marine sediment	DEF AT 0
9790 / 9790	POS AT unconformity	DEF AT 0
9791 / 9791	POS AT condensed section	DEF AT 0
9909 / 9909	DEF AT faunal change (no faunal increase)	DEF AT 1
9910 / 9910	POS AT fault	DEF AT 1
9911 / 9911	POS AT unconformity	DEF AT 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 685	Date of Summary: 12-MAY-2003	First Sample Examined: 7980
Lease Number: G04548	Source of Paleo: OPERATOR	Borehole MD: 10897
Well Name: C001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 10897
API Well Number: 427034054400	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 7980 - 10900	Water Depth: 90
Public Info Code: Y 01-JUN-2013	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9912 / 9912	POS AT condensed section	DEF AT 1
9939 / 9939	DEF AT faunal change (no faunal increase)	DEF AT 2
9940 / 9940	POS AT unconformity	DEF AT 2
9941 / 9941	POS AT condensed section	DEF AT 2
9970 / 9970	POS AT unconformity	DEF AT 1
9971 / 9971	POS AT condensed section	DEF AT 1
9999 / 9999	DEF AT non-marine sediment	DEF AT 0
10000 /10000	POS AT unconformity	DEF AT 0
10001 /10001	POS AT condensed section	DEF AT 0
10600 /10600	POS AT unconformity	DEF AT 1
10601 /10601	POS AT condensed section	DEF AT 1
10840 /10840	DEF AT faunal change (no faunal increase)	DEF IN 1
10869 /10869	DEF IN Lower Miocene (Aquitanian) Planulina palmerae	DEF IN 1
10870 /10870	DEF AT last sample examined	DEF IN 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 688	Date of Summary: 03-JAN-1990	First Sample Examined: 0
Lease Number: G08548	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6100
API Well Number: 427034040500	Drilling Operator: UNION EXPLORATION PARTNERS LTD	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 81
Public Info Code: Y 14-JAN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3586 / 3586	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
4380 / 4379	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 704	Date of Summary: 26-JAN-1990	First Sample Examined: 0
Lease Number: G10203	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9302
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9301
API Well Number: 427034040200	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 15-JAN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6320 / 6320	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6350 / 6350	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9230 / 9229	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 704	Date of Summary: 08-FEB-2000	First Sample Examined: 0
Lease Number: G10203	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11230
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 9685
API Well Number: 427034052600	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 18-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5349 / 5349	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
5997 / 5997	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6448 / 6448	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6978 / 6977	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9407 / 8729	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10512 / 9339	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MI 704	<b>Date of Summary:</b> 25-APR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10203	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12260
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 427034052603	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 130
<b>Public Info Code:</b> Y 18-MAY-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5349 / 5349	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
5997 / 5997	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6448 / 6448	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6978 / 6977	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9407 / 8714	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10600 / 9331	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 704	Date of Summary: 12-SEP-2000	First Sample Examined: 0
Lease Number: G10203	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13046
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 10752
API Well Number: 427034052800	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 18-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5340	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
5988 / 5988	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6446 / 6446	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9500 / 8740	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10475 / 9347	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 705	Date of Summary: 04-DEC-1990	First Sample Examined: 0
Lease Number: G09001	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9697
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9000
API Well Number: 427034039600	Drilling Operator: PG&E RESOURCES OFFSHORE CO	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 144
Public Info Code: Y 12-DEC-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5670 / 4990	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
6850 / 6063	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8570 / 7724	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 705	Date of Summary: 10-OCT-1990	First Sample Examined: 0
Lease Number: G09001	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9893
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 9009
API Well Number: 427034042600	Drilling Operator: CORPUS CHRISTI OIL AND GAS CO	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 158
Public Info Code: Y 24-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5430 / 5013	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
7070 / 6288	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8750 / 7898	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 705	Date of Summary: 19-DEC-1997	First Sample Examined: 12020
Lease Number: G09001	Source of Paleo: OPERATOR	Borehole MD: 14401
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12687
API Well Number: 427034051400	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 12020 - 14360	Water Depth: 144
Public Info Code: Y 01-MAR-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12020 /11056	DEF AT first sample examined	DEF AT 4
12590 /11443	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
13250 /11901	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
13550 /12114	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
14360 /12661	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 709	Date of Summary: 24-JAN-1995	First Sample Examined: 0
Lease Number: G10203	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10865
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10523
API Well Number: 427034046700	Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 148
Public Info Code: Y 18-DEC-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6855 / 6733	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9634 / 9333	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 709	Date of Summary: 18-FEB-1994	First Sample Examined: 6020
Lease Number: G13295	Source of Paleo: OPERATOR	Borehole MD: 10480
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10475
API Well Number: 427034047000	Drilling Operator: ASHLAND OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6020 - 10480	Water Depth: 148
Public Info Code: Y 17-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 6016	DEF AT first sample examined	DEF AT 3
6620 / 6616	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
7250 / 7246	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8450 / 8446	DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
8810 / 8806	DEF AT - - - - -	DEF AT 4
9095 / 9091	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
10480 / 10475	DEF AT last sample examined	DEF AT 4



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MI 710	Date of Summary: 17-JUL-2001	First Sample Examined: 0
Lease Number: G22185	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10893
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10430
API Well Number: 427034053300	Drilling Operator: CALLON PETROLEUM OPERATING COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 147
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9330	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MO 819	<b>Date of Summary:</b> 20-JAN-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10920	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 21985
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21985
<b>API Well Number:</b> 608154010100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 55
<b>Public Info Code:</b> Y 14-MAR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** 17930=base of the Knowles Limestone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3790 /	DEF AT limestone	DEF AT
6720 /	DEF AT Upper (Late) Cretaceous	DEF AT
9110 /	DEF AT Lower (Early) Cretaceous	DEF AT
12095 /	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
17930 /	DEF AT local marker (general)	DEF AT
21774 /	DEF IN Jurassic Norphlet Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 822	Date of Summary: 02-FEB-1999	First Sample Examined: 0
Lease Number: G05056	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21922
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 21817
API Well Number: 608154010601	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 05-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19956 /19851	DEF AT Jurassic Haynesville Formation	DEF AT 0
20751 /20646	DEF AT Jurassic Smackover Formation	DEF AT 0
21566 /21461	DEF AT Jurassic Norphlet Formation	DEF AT 0

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 822	Date of Summary: 23-JUL-2001	First Sample Examined: 0
Lease Number: G05056	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21824
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 21820
API Well Number: 608154011701	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 06-JUN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21480 /21476	DEF AT Jurassic Norphlet Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 823	Date of Summary: 12-NOV-1991	First Sample Examined: 0
Lease Number: G05057	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22580
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 21599
API Well Number: 608154005401	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 144
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 47
Public Info Code: Y 01-FEB-2002	Ecozone Eq MMS:	Paleo ID: 002

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
1620 / 1616	POS AT Miocene	DEF AT
3240 / 3229	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
3870 / 3859	DEF AT Oligocene Vicksburg Group/Provincial Stage	DEF AT
4140 / 4129	DEF AT Upper Eocene Ocala Formation	DEF AT
4980 / 4968	DEF AT Paleocene Midway Group/Provincial Stage	DEF AT
6289 / 6277	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
7610 / 7598	DEF AT Upper Cretaceous "Upper" Eutaw Formation	DEF AT
8485 / 8473	DEF AT Upper Cretaceous Tuscaloosa Formation (or Group)	DEF AT
9870 / 9858	DEF AT Lower Cretaceous Fredericksburg Group/Provincial Stage	DEF AT
11730 /11715	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
12690 /12662	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13470 /13395	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14490 /14297	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT
16900 /16478	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
20640 /19794	DEF AT Jurassic Buckner Formation	DEF AT
21330 /20418	DEF AT Jurassic Smackover Formation	DEF AT
22535 /21555	DEF AT Jurassic Norphlet Formation	DEF AT

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MO 823	<b>Date of Summary:</b> 14-FEB-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05057	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 22580
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21599
<b>API Well Number:</b> 608154005401	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 144
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 01-FEB-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2307 / 2297	DEF AT local marker (general)	DEF AT
6337 / 6325	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
8537 / 8525	DEF AT Upper Cretaceous Tuscaloosa Formation (or Group)	DEF AT
11787 /11772	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13577 /13490	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
17637 /17154	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
20742 /19885	DEF IN Jurassic Haynesville Formation	DEF AT
21389 /20471	DEF AT Jurassic Smackover Formation	DEF AT
22215 /21243	DEF AT Jurassic Norphlet Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 823	Date of Summary: 15-JAN-1992	First Sample Examined: 0
Lease Number: G05057	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23010
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 21920
API Well Number: 608154006300	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 46
Public Info Code: Y 25-MAY-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand, 2260=Amos sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2260 / 2260	DEF AT sand	DEF AT
6290 / 6290	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
7960 / 7960	DEF AT Upper Cretaceous Tuscaloosa Formation (or Group)	DEF AT
11809 /11788	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13568 /13431	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14862 /14595	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT
17770 /17042	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
20726 /19736	DEF IN Jurassic Haynesville Formation	DEF AT
22464 /21388	DEF IN Jurassic Norphlet Formation	DEF AT
23003 /21914	DEF AT Jurassic Pine Hill Anhydrite Member	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MO 823	<b>Date of Summary:</b> 01-NOV-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05057	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 22887
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21881
<b>API Well Number:</b> 608154006600	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 10-JAN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3240 / 3240	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
6290 / 6290	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
7960 / 7959	DEF AT Upper Cretaceous Tuscaloosa Formation (or Group)	DEF AT
11790 /11786	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13470 /13433	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14760 /14592	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT
20640 /19742	DEF IN Jurassic Haynesville Formation	DEF AT
22522 /21520	DEF IN Jurassic Norphlet Formation	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MO 823	<b>Date of Summary:</b> 18-MAY-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05057	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 22415
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21755
<b>API Well Number:</b> 608154010500	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 14-MAY-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=aeolian sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22107 /21468	DEF IN Jurassic Norphlet Formation	DEF AT 0

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 829	Date of Summary: 31-AUG-1999	First Sample Examined: 0
Lease Number: G13976	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23603
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21876
API Well Number: 608154011000	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 29-MAR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: 2780=Tampa Limestone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2780 / 2780	DEF IN Miocene	DEF AT
3600 / 3600	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT
5790 / 5789	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
9990 / 9989	DEF AT Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
12280 /12279	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13050 /13049	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14565 /14563	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT
17050 /16788	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
21280 /20135	DEF AT Jurassic Haynesville Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 829	Date of Summary: 05-OCT-1999	First Sample Examined: 0
Lease Number: G13976	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23753
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21966
API Well Number: 608154011001	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 29-MAR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: 2780=Tampa Limestone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2780 / 2780	DEF IN Miocene	DEF AT
3600 / 3600	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT
5790 / 5789	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
9990 / 9989	DEF AT Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
12280 /12279	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13050 /13049	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14565 /14563	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT
17050 /16786	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
21280 /20133	DEF AT Jurassic Haynesville Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 861	Date of Summary: 30-NOV-1993	First Sample Examined: 0
Lease Number: G05062	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22103
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 22099
API Well Number: 608154007200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 18-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21941 /21937	DEF AT Jurassic Norphlet Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 864	Date of Summary: 01-MAY-1988	First Sample Examined: 1180
Lease Number: G05064	Source of Paleo: PUBLICATION	Borehole MD: 3050
Well Name: 001	Paleo Done By: UNKNOWN	Borehole TVD: 3050
API Well Number: 608154000500	Drilling Operator: TENNECO OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 1180 - 3050	Water Depth: 63
Public Info Code: Y 20-MAR-2014	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Source is Mink, R M et al, 1988, Regional geologic framework and petroleum geology of Miocene strata of Alabama coastal waters area and adjacent Federal waters area, Geological Survey of Alabama and State Oil and Gas Board Final Report, page 77

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1180 / 1180	DEF AT first sample examined	DEF AT
1450 / 1450	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
1690 / 1690	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
1990 / 1990	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
1991 / 1991	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
2440 / 2440	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT
2530 / 2530	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
2560 / 2560	DEF AT local marker benthic foram increase	DEF AT
3050 / 3049	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 867	Date of Summary: 01-MAY-1988	First Sample Examined: 1117
Lease Number: G05066	Source of Paleo: PUBLICATION	Borehole MD: 22422
Well Name: BB001	Paleo Done By: UNKNOWN	Borehole TVD: 22420
API Well Number: 608154001100	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 1117 - 3710	Water Depth: 55
Public Info Code: Y 17-SEP-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Source is Mink, R M et al, 1988, Regional geologic framework and petroleum geology of Miocene strata of Alabama coastal waters area and adjacent Federal waters area, Geological Survey of Alabama and State Oil and Gas Board Final Report, page 78

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1117 / 1117	DEF AT first sample examined	DEF AT
1118 / 1118	DEF IN Upper (Late) Miocene	DEF AT
1280 / 1280	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
1970 / 1970	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
2090 / 2090	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
2720 / 2720	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF AT
2840 / 2840	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
2929 / 2929	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT
2930 / 2930	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
3139 / 3139	DEF AT foram flood	DEF AT
3140 / 3140	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
3200 / 3200	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
3230 / 3230	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
3350 / 3350	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
3380 / 3380	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
3410 / 3410	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT
3470 / 3470	DEF AT Lower Miocene (Aquitainian) Lenticulina jeffersonensis	DEF AT
3650 / 3650	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
3710 / 3710	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MO 869	<b>Date of Summary:</b> 19-JUL-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06848	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 22082
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21895
<b>API Well Number:</b> 608154008200	<b>Drilling Operator:</b> MOBIL EXPLORATION AND PRODUCIN	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 17-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

Remark: 2968=Amos sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2968 / 2968	DEF AT sand	DEF AT
3338 / 3338	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
3874 / 3874	DEF AT Oligocene Vicksburg Group/Provincial Stage	DEF AT
4105 / 4105	DEF AT Upper Eocene Ocala Formation	DEF AT
6154 / 6154	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
7564 / 7564	DEF AT Upper Cretaceous "Upper" Eutaw Formation	DEF AT
7923 / 7923	DEF AT Upper Cretaceous Tuscaloosa Formation (or Group)	DEF AT
8936 / 8936	DEF AT Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
10002 /10002	DEF AT Lower Cretaceous Fredericksburg Group/Provincial Stage	DEF AT
11598 /11592	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
12610 /12579	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13402 /13342	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14770 /14648	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT
17018 /16840	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
19870 /19685	DEF IN Jurassic Haynesville Formation	DEF AT
20830 /20644	DEF AT Jurassic Smackover Formation	DEF AT
21703 /21517	DEF AT Jurassic Norphlet Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 869	Date of Summary: 03-FEB-1997	First Sample Examined: 0
Lease Number: G06848	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22090
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 21818
API Well Number: 608154009900	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 11-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19888 /19686	DEF IN Jurassic Haynesville Formation	DEF AT 0
21794 /21522	DEF IN Jurassic Norphlet Formation	DEF AT 0



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 904	Date of Summary: 19-DEC-1996	First Sample Examined: 0
Lease Number: G05749	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22457
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22110
API Well Number: 608154009800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 18-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17590 /17455	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT 0
20980 /20691	DEF AT Jurassic Haynesville Formation	DEF AT 0
21302 /20998	DEF AT Jurassic Smackover Formation	DEF AT 0
22436 /22090	DEF IN Jurassic Norphlet Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 904  
 Lease Number: G05749  
 Well Name: 003  
 API Well Number: 608154011101  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 27-DEC-2009

Date of Summary: 31-JAN-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 22978  
 Borehole TVD: 22088  
 Rkb Elevation: 112  
 Water Depth: 56  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13499	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
15700 /15630	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT 0
17730 /17431	POS AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT 0
21340 /20621	DEF AT Jurassic Haynesville Formation	DEF AT 0
21710 /20944	DEF AT Jurassic Smackover Formation	DEF AT 0
22524 /21668	DEF IN Jurassic Smackover Formation	DEF AT 0
22809 /21931	DEF AT pyrite	DEF AT
22832 /21953	DEF AT Jurassic Norphlet Formation	DEF AT 0
23002 /	DEF IN Jurassic Norphlet Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 908	Date of Summary: 24-MAR-1995	First Sample Examined: 0
Lease Number: G05071	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22547
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 22544
API Well Number: 608154008000	Drilling Operator: MURPHY OIL USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 63
Public Info Code: Y 01-NOV-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3997 / 3997	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
6784 / 6783	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
9600 / 9599	DEF AT Lower (Early) Cretaceous	DEF AT
12162 /12161	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
18043 /18041	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
20465 /20463	DEF AT Jurassic Haynesville Formation	DEF AT
21061 /21059	DEF AT Jurassic Smackover Formation	DEF AT
22151 /22149	DEF AT Jurassic Norphlet Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 914	Date of Summary: 14-APR-1998	First Sample Examined: 0
Lease Number: G07846	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23906
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 22541
API Well Number: 608154010400	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 70
Public Info Code: Y 15-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21457 /20453	DEF IN Jurassic Haynesville Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 916	Date of Summary: 17-DEC-1991	First Sample Examined: 0
Lease Number: G05753	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23066
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 23066
API Well Number: 608154007100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 109
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 06-JAN-2002	Ecozone Eq MMS:	Paleo ID: 002

Remark: 3156=Tampa Limestone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3156 / 3156	DEF IN Miocene	DEF AT
5964 / 5964	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
13378 /13378	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
17267 /17267	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
20572 /20572	DEF AT Jurassic Haynesville Formation	DEF AT
22620 /22619	DEF AT Jurassic Norphlet Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 916	Date of Summary: 22-DEC-1991	First Sample Examined: 1500
Lease Number: G05753	Source of Paleo: OPERATOR	Borehole MD: 23066
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 23066
API Well Number: 608154007100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 109
Paleo Report Num: 2 of 2	Sample Range: 1500 - 23050	Water Depth: 49
Public Info Code: Y 06-JAN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: 8280=Lower Cenomanian Praeglobotruncana delrioensis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT first sample examined	DEF AT
1590 / 1590	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
1980 / 1980	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
2610 / 2610	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
2820 / 2820	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
2910 / 2910	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
3060 / 3060	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
3120 / 3120	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT
3390 / 3390	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
3780 / 3780	DEF AT Lower Oligocene (Rupelian) Textularia mississippiensis seligi	DEF AT
3840 / 3840	DEF AT Lower Oligocene (Rupelian) Cibicides mississippiensis	DEF AT
4020 / 4020	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT
4200 / 4200	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT
4320 / 4320	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT
4380 / 4380	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT
4470 / 4470	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT
4860 / 4860	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
5400 / 5400	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT
5640 / 5640	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
5940 / 5940	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT
6150 / 6150	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT
6480 / 6480	DEF AT Upper Cretaceous (Santonian) Dicarinella concavata	DEF AT

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End Date: 01-DEC-2016

Area Block: MO 916	Date of Summary: 22-DEC-1991	First Sample Examined: 1500
Lease Number: G05753	Source of Paleo: OPERATOR	Borehole MD: 23066
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 23066
API Well Number: 608154007100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 109
Paleo Report Num: 2 of 2	Sample Range: 1500 - 23050	Water Depth: 49
Public Info Code: Y 06-JAN-2002	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6630 / 6630	DEF AT Upper Cretaceous (Santonian) Marginotruncana renzi	DEF AT
7470 / 7470	DEF AT Upper Cretaceous (Turonian) Planulina eaglefordensis	DEF AT
7920 / 7920	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT
8160 / 8160	DEF AT Upper Cretaceous (Turonian) Praeglobotruncana stephani	DEF AT
8280 / 8280	POS AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT
8940 / 8940	DEF AT Upper Cretaceous (Cenomanian) Fossocytheridea lenoiresis (ostracod)	DEF AT
9210 / 9210	POS AT Lower Cretaceous (Albian) Cytheridea goodlandensis (ostracod)	DEF AT
11880 /11880	DEF AT charophytes	DEF AT
12000 /12000	DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod)	DEF AT
13050 /13050	DEF AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT
15900 /15900	DEF AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT
17820 /17820	DEF AT Lower Cretaceous (Valanginian) Schuleridea acuminata (ostracod)	DEF AT
18000 /18000	DEF AT Lower Cretaceous (Valanginian) Everticyclammina virginulina	DEF AT
23050 /23049	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 916	Date of Summary: 27-MAY-1998	First Sample Examined: 0
Lease Number: G05753	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23026
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 23023
API Well Number: 608154007900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 14-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21269 /21267	DEF AT Jurassic Smackover Formation	DEF AT 0
22816 /22813	DEF IN Jurassic Norphlet Formation	DEF AT 0



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End Date: 01-DEC-2016

Area Block: MO 917	Date of Summary: 18-OCT-1999	First Sample Examined: 0
Lease Number: G05754	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 2990
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 2206
API Well Number: 608154010900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 09-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1865 / 1708	POS IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 918	Date of Summary: 02-FEB-1999	First Sample Examined: 0
Lease Number: G12114	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22822
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22819
API Well Number: 608154010700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 66
Public Info Code: Y 06-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Paleo determined by correlation

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20638 /20636	DEF AT Jurassic Haynesville Formation	DEF AT 0
21270 /21268	DEF AT Jurassic Smackover Formation	DEF AT 0
22630 /22627	DEF AT dolomite	DEF AT 0
22654 /22651	DEF AT Jurassic Norphlet Formation	DEF AT 0
22858 /	DEF IN Jurassic Norphlet Formation	DEF AT 0

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 918	Date of Summary: 10-OCT-1999	First Sample Examined: 0
Lease Number: G12114	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22872
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22830
API Well Number: 608154010701	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 66
Public Info Code: Y 09-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20638 /20636	DEF AT Jurassic Haynesville Formation	DEF AT 0
21275 /21268	DEF AT Jurassic Smackover Formation	DEF AT 0
22722 /22681	DEF AT Jurassic Norphlet Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MO 961	<b>Date of Summary:</b> 23-AUG-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05761	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 22889
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22885
<b>API Well Number:</b> 608154008600	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 66
<b>Public Info Code:</b> Y 02-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6029	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
13361 /13360	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
20619 /20616	DEF AT Jurassic Haynesville Formation	DEF AT
21170 /21167	DEF AT Jurassic Smackover Formation	DEF AT
22381 /22377	DEF IN Jurassic Norphlet Formation	DEF AT
22925 /	DEF AT Jurassic Louann Salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MO 991	<b>Date of Summary:</b> 09-OCT-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15403	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15452
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15450
<b>API Well Number:</b> 608154010000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 82
<b>Public Info Code:</b> Y 18-SEP-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4904 / 4903	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
7936 / 7935	DEF AT Upper (Late) Cretaceous	DEF AT
10074 /10073	DEF AT Lower (Early) Cretaceous	DEF AT
15040 /15038	DEF AT Lower Cretaceous James Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 991	Date of Summary: 17-FEB-2001	First Sample Examined: 14400
Lease Number: G15403	Source of Paleo: OPERATOR	Borehole MD: 15452
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15450
API Well Number: 608154010000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 14400 - 15400	Water Depth: 82
Public Info Code: Y 18-SEP-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 15300=in Nannoconus bucheri, 15360=Nannoconus increase

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14400 /14398	DEF AT first sample examined	DEF AT
15300 /15298	POS IN Lower Cretaceous Aptian Stage	DEF AT
15360 /15358	POS AT Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
15400 /15398	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 991	Date of Summary: 23-NOV-1998	First Sample Examined: 0
Lease Number: G15403	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15402
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15400
API Well Number: 608154010001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 07-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15038 /15036	DEF IN Lower Cretaceous James Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 991  
Lease Number: G15403  
Well Name: A002  
API Well Number: 608154011300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 19-DEC-2009

Date of Summary: 27-JAN-2000  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: CHEVRON USA INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 16850  
Borehole TVD: 15420  
Rkb Elevation: 135  
Water Depth: 83  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14943 /13797	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
15332 /14115	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
15658 /14376	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
16222 /14849	DEF AT Lower Cretaceous Punta Gorda Formation	DEF AT 0
16710 /15291	DEF IN Lower Cretaceous Punta Gorda Formation	DEF AT 0



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 991	Date of Summary: 10-SEP-2001	First Sample Examined: 0
Lease Number: G15403	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17060
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 15438
API Well Number: 608154012100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 83
Public Info Code: Y 23-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15948 /14407	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
16456 /14870	DEF AT Lower Cretaceous James Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 992	Date of Summary: 21-JUL-2000	First Sample Examined: 0
Lease Number: G15404	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15329
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15328
API Well Number: 608154011500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 19-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12788 /12787	DEF AT Lower Cretaceous James Formation	DEF AT 0
13758 /13757	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14082 /14081	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
14352 /14351	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
15272 /15271	DEF IN Lower Cretaceous James Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MO 1005	Date of Summary: 12-JUN-2001	First Sample Examined: 0
Lease Number: G15407	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23000
API Well Number: 608154011600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 28-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20879 /20878	DEF AT Jurassic Haynesville Formation	DEF AT 0
21869 /21868	DEF AT Jurassic Smackover Formation	DEF AT 0
22454 /22452	DEF IN Jurassic Smackover Formation	DEF AT 0
22775 /22773	DEF AT pyrite	DEF AT
22802 /22800	DEF AT Jurassic Norphlet Formation	DEF AT 0
23000 /22998	DEF IN Jurassic Norphlet Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 7	Date of Summary: 07-DEC-2000	First Sample Examined: 0
Lease Number: G21700	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8100
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 8100
API Well Number: 177254069100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 36
Public Info Code: Y 03-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4330 / 4330	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4700 / 4700	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7713 / 7713	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 7	Date of Summary: 31-MAY-2001	First Sample Examined: 0
Lease Number: G21700	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8577
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 8108
API Well Number: 177254070200	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 24-MAY-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4403	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8123 / 7690	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 18  
Lease Number: G01963  
Well Name: 005  
API Well Number: 177254058800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 15-FEB-2004

Date of Summary: 12-OCT-1994  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MOBIL EXPLORATION AND PRODUCIN  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 7533  
Borehole TVD: 5898  
Rkb Elevation: 96  
Water Depth: 39  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4400 / 4399	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4910 / 4909	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
6020 / 5764	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 18	Date of Summary: 12-FEB-1998	First Sample Examined: 0
Lease Number: G01963	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8160
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 5143
API Well Number: 177254059100	Drilling Operator: MOBIL EXPLORATION AND PRODUCIN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 15-FEB-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4010 / 3964	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6350 / 4912	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 20	<b>Date of Summary:</b> 26-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21138	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16804
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16676
<b>API Well Number:</b> 177254069700	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 34
<b>Public Info Code:</b> Y 22-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7230 / 7230	DEF AT Upper (Late) Miocene	DEF AT
16720 /16595	DEF AT Oligocene	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 37	Date of Summary: 26-AUG-1996	First Sample Examined: 9960
Lease Number: G01295	Source of Paleo: OPERATOR	Borehole MD: 12600
Well Name: BE010	Paleo Done By: OPERATOR	Borehole TVD: 9690
API Well Number: 177254061700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9000 - 12600	Water Depth: 50
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 7481	DEF AT first sample examined	DEF AT
9030 / 7498	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9960 / 8059	DEF AT -----	DEF AT 2
10500 / 8391	DEF AT -----	DEF AT 3
10700 / 8512	DEF AT -----	DEF AT 4
10980 / 8679	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
11760 / 9156	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
12600 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 61	Date of Summary: 22-JAN-2002	First Sample Examined: 0
Lease Number: G16493	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7275
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7275
API Well Number: 177254069800	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 12-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5315 / 5315	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6950 / 6949	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 61	Date of Summary: 22-JAN-2002	First Sample Examined: 0
Lease Number: G16493	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11608
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7655
API Well Number: 177254070400	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 15-MAR-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7625 / 5407	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11290 / 7464	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 61	Date of Summary: 22-JAN-2002	First Sample Examined: 0
Lease Number: G16493	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7885
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7388
API Well Number: 177254071000	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 27-APR-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5594 / 5337	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7519 / 7062	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 61	Date of Summary: 02-JUL-2001	First Sample Examined: 0
Lease Number: G16493	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10000
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 7972
API Well Number: 177254071401	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 100
Public Info Code: Y 17-JUN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5667 / 5625	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9348 / 7732	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 61	Date of Summary: 08-AUG-2001	First Sample Examined: 0
Lease Number: G16493	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9550
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 8052
API Well Number: 177254072200	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 100
Public Info Code: Y 21-JUL-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6448 / 5618	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9084 / 7693	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 61	Date of Summary: 22-JAN-2002	First Sample Examined: 0
Lease Number: G21702	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7988
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 7486
API Well Number: 177254070000	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 31-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5683 / 5385	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6792 / 6394	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
7612 / 7140	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 61	Date of Summary: 23-AUG-2001	First Sample Examined: 0
Lease Number: G21702	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8950
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 7567
API Well Number: 177254072300	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 20-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5938 / 5445	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8617 / 7335	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 62	Date of Summary: 23-MAY-2001	First Sample Examined: 0
Lease Number: G21702	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8177
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8105
API Well Number: 177254071200	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 99
Public Info Code: Y 22-MAY-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5442 / 5442	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7810 / 7749	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 64	Date of Summary: 12-NOV-1992	First Sample Examined: 6000
Lease Number: G04909	Source of Paleo: OPERATOR	Borehole MD: 17030
Well Name: 020	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16254
API Well Number: 177254056400	Drilling Operator: GLOBAL MARINE OIL & GAS COMPANY	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 6000 - 17030	Water Depth: 40
Public Info Code: Y 07-DEC-2002	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

MD / TVD	Paleo Top Description	Ecozone
6000 / 6000	DEF AT first sample examined	DEF IN 2
6120 / 6120	DEF AT - - - - -	DEF AT 3
6420 / 6420	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
7500 / 7499	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
8010 / 8009	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 3
9360 / 9359	DEF AT - - - - -	DEF AT 4
10440 /10439	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10530 /10529	DEF AT - - - - -	DEF AT 5
11640 /11638	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
11940 /11938	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
13350 /13347	DEF AT - - - - -	DEF AT 6
13440 /13437	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
14100 /14096	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
16890 /16875	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
17030 /17014	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 69  
Lease Number: 00372  
Well Name: 003  
API Well Number: 177254055600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 23-JAN-2001

Date of Summary: 03-MAY-1991  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: GLOBAL MARINE OIL & GAS COMPANY  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 16692  
Borehole TVD: 16686  
Rkb Elevation: 94  
Water Depth: 52  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5120 / 5120	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
5510 / 5510	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6800 / 6799	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
7910 / 7909	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10970 /10969	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11690 /11689	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12500 /12499	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
13850 /13848	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
14900 /14896	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 69	Date of Summary: 21-APR-1992	First Sample Examined: 3500
Lease Number: 00372	Source of Paleo: OPERATOR	Borehole MD: 17030
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17017
API Well Number: 177254056200	Drilling Operator: GLOBAL MARINE OIL & GAS COMPANY	Rkb Elevation: 84
Paleo Report Num: 1 of 4	Sample Range: 3500 - 10430	Water Depth: 52
Public Info Code: Y 08-MAY-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF IN 2
4460 / 4455	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF IN 2
4520 / 4515	DEF AT faunal change (no faunal increase)	DEF AT 3
5420 / 5412	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
6500 / 6491	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
6770 / 6761	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
7340 / 7331	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
7490 / 7481	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 3
8180 / 8171	DEF AT Eggerella 3 (local marker)	DEF AT 3
8990 / 8981	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9320 / 9311	DEF AT local marker foram increase	DEF AT 4
9650 / 9641	DEF AT local marker deep water fauna	DEF AT 4
10430 / 10420	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 69	Date of Summary: 21-APR-1992	First Sample Examined: 6500
Lease Number: 00372	Source of Paleo: OPERATOR	Borehole MD: 17030
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17017
API Well Number: 177254056200	Drilling Operator: GLOBAL MARINE OIL & GAS COMPANY	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 6500 - 10430	Water Depth: 52
Public Info Code: Y 08-MAY-2002	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 6491	DEF AT first sample examined	DEF AT
6710 / 6701	POS AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
7490 / 7481	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9200 / 9191	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10250 /10240	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10430 /10420	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 69	Date of Summary: 21-APR-1992	First Sample Examined: 10400
Lease Number: 00372	Source of Paleo: OPERATOR	Borehole MD: 17030
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17017
API Well Number: 177254056200	Drilling Operator: GLOBAL MARINE OIL & GAS COMPANY	Rkb Elevation: 84
Paleo Report Num: 3 of 4	Sample Range: 10400 - 17030	Water Depth: 52
Public Info Code: Y 08-MAY-2002	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Sidetrack 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 /10390	DEF AT first sample examined	DEF AT 4
11870 /11860	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11930 /11920	DEF AT local marker deep water fauna	DEF AT 5
12170 /12160	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12800 /12790	DEF AT Eggerella 3 (local marker)	DEF AT 5
13430 /13420	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13610 /13600	DEF AT Bathysiphon fauna	DEF AT 6
13850 /13840	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
14060 /14050	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
14450 /14439	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14900 /14889	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 6
15560 /15548	DEF AT foram flood	DEF AT 6
17030 /17017	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 69	Date of Summary: 21-APR-1992	First Sample Examined: 10400
Lease Number: 00372	Source of Paleo: OPERATOR	Borehole MD: 17030
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17017
API Well Number: 177254056200	Drilling Operator: GLOBAL MARINE OIL & GAS COMPANY	Rkb Elevation: 84
Paleo Report Num: 4 of 4	Sample Range: 10400 - 17030	Water Depth: 52
Public Info Code: Y 08-MAY-2002	Ecozone Eq MMS:	Paleo ID: 005

Remark: Calcareous nannofossil report for sidetrack 2

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 /10390	DEF AT first sample examined	DEF AT
12470 /12460	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
13280 /13270	POS AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
13910 /13900	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14780 /14769	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (very rare)	DEF AT
17030 /17017	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 69	Date of Summary: 05-AUG-1984	First Sample Examined: 13410
Lease Number: 00372	Source of Paleo: OPERATOR	Borehole MD: 19100
Well Name: E001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19097
API Well Number: 177254078200	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 13410 - 19090	Water Depth: 48
Public Info Code: Y 02-SEP-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13410 /13409	DEF AT first sample examined	DEF AT
13770 /13769	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14070 /14069	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17250 /17248	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18510 /18508	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
19090 /19087	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 69	Date of Summary: 05-AUG-2004	First Sample Examined: 13410
Lease Number: 00372	Source of Paleo: OPERATOR	Borehole MD: 19100
Well Name: E001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19097
API Well Number: 177254078200	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 13410 - 19090	Water Depth: 48
Public Info Code: Y 02-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13410 /13409	DEF AT first sample examined	DEF AT 5
13411 /13410	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13770 /13769	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14040 /14039	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
16230 /16228	DEF AT - - - - -	DEF AT 5
17220 /17218	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
18210 /18208	DEF AT deepwater facies Harang	DEF AT 5
18509 /18507	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
18510 /18508	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
18570 /18568	DEF AT - - - - -	DEF AT 6
19090 /19087	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 70	Date of Summary: 19-JAN-1995	First Sample Examined: 7530
Lease Number: G09703	Source of Paleo: OPERATOR	Borehole MD: 19020
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19015
API Well Number: 177254058600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 7530 - 19000	Water Depth: 58
Public Info Code: Y 05-DEC-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
7530 / 7530	DEF AT first sample examined	DEF	AT
7830 / 7830	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
10830 /10829	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT 4
11160 /11159	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT 4
12930 /12929	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT 4
14340 /14338	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT 4
14520 /14518	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF	AT 5
14580 /14578	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT 5
14730 /14728	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT 5
18294 /18291	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT 5
18720 /18716	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT 5
19000 /18996	DEF AT last sample examined	DEF	AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 72	Date of Summary: 15-FEB-2001	First Sample Examined: 0
Lease Number: G02947	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9200
Well Name: C006	Paleo Done By: OPERATOR	Borehole TVD: 8568
API Well Number: 177254022501	Drilling Operator: MOBIL EXPLORATION AND PRODUCIN	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 09-OCT-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5370 / 5209	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
5640 / 5446	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8010 / 7533	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 72	Date of Summary: 07-FEB-1995	First Sample Examined: 0
Lease Number: G03417	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7820
Well Name: C011	Paleo Done By: OPERATOR	Borehole TVD: 7240
API Well Number: 177254024201	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 08-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5380 / 5311	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
6460 / 6146	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7240 / 6741	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 72	Date of Summary: 20-APR-1995	First Sample Examined: 0
Lease Number: G03417	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8914
Well Name: C011	Paleo Done By: OPERATOR	Borehole TVD: 8268
API Well Number: 177254024202	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 20-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5280 / 5229	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
6460 / 6140	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7240 / 6743	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 72  
 Lease Number: G03417  
 Well Name: C019  
 API Well Number: 177254059000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 24-NOV-2004

Date of Summary: 11-APR-1996  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MOBIL EXPLORATION AND PRODUCIN  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11805  
 Borehole TVD: 11221  
 Rkb Elevation: 121  
 Water Depth: 140  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5580 / 5547	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
6420 / 6269	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7710 / 7395	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
10740 /10157	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 72	Date of Summary: 11-JAN-1996	First Sample Examined: 0
Lease Number: G03417	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8963
Well Name: C022	Paleo Done By: OPERATOR	Borehole TVD: 8719
API Well Number: 177254059300	Drilling Operator: MOBIL EXPLORATION AND PRODUCIN	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 25-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5090 / 4947	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
5660 / 5512	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
5990 / 5842	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6732 / 6584	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7232 / 7083	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 73	Date of Summary: 22-JAN-1997	First Sample Examined: 0
Lease Number: G02947	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14545
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 9138
API Well Number: 177254015601	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 27-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11680 / 8486	POS AT Cyclammina sp. (local marker)	DEF AT
13420 / 8942	DEF AT Arenaceous fauna (local marker)	DEF AT
13450 / 8946	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
13680 / 8979	DEF AT local marker (general)	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 73	Date of Summary: 06-SEP-1996	First Sample Examined: 0
Lease Number: G02947	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11590
Well Name: A017	Paleo Done By: OPERATOR	Borehole TVD: 7451
API Well Number: 177254024502	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 09-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8260 / 5815	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
8380 / 5899	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9490 / 6664	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 86  
Lease Number: G19852  
Well Name: 001  
API Well Number: 177254069300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 25-FEB-2009

Date of Summary: 30-NOV-2000  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 2000 - 10500  
Ecozone Eq MMS: Y

First Sample Examined: 2000  
Borehole MD: 10500  
Borehole TVD: 10494  
Rkb Elevation: 85  
Water Depth: 70  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2000 / 2000	DEF AT first sample examined	DEF AT 1
3320 / 3320	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
3950 / 3950	DEF AT - - - - -	DEF AT 3
4100 / 4100	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
5990 / 5990	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
6230 / 6230	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
7970 / 7970	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10460 /10454	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
10500 /10494	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 91	Date of Summary: 11-JUN-1996	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7605
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7605
API Well Number: 177254060600	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 29-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4436 / 4436	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4881 / 4881	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 91	Date of Summary: 05-NOV-1996	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9221
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8736
API Well Number: 177254062200	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 03-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4823 / 4449	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5328 / 4896	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8586 / 8100	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 91	Date of Summary: 30-DEC-1997	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9472
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8762
API Well Number: 177254065000	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 07-DEC-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3235 / 3235	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
4478 / 4474	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4924 / 4898	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8817 / 8118	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 91	Date of Summary: 18-MAR-1996	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7406
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 7319
API Well Number: 177254060800	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 17-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4509 / 4426	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4974 / 4887	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 91  
Lease Number: G14576  
Well Name: B002  
API Well Number: 177254065200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 04-FEB-2008

Date of Summary: 08-MAY-1998  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: PETSEC ENERGY INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 9248  
Borehole TVD: 8627  
Rkb Elevation: 109  
Water Depth: 37  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2248 / 2241	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
3357 / 3203	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
4878 / 4442	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5409 / 4897	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8124 / 7504	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 91	Date of Summary: 02-JUL-1998	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8805
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 5730
API Well Number: 177254065600	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 14-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2285 / 2246	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
3871 / 3239	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
6285 / 4437	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7102 / 4877	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 91	Date of Summary: 20-NOV-1998	First Sample Examined: 0
Lease Number: G19854	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8059
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7762
API Well Number: 177254065900	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 31-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2380 / 2373	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
3286 / 3202	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
4709 / 4442	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5190 / 4903	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 92	Date of Summary: 12-NOV-1997	First Sample Examined: 0
Lease Number: G01500	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8100
Well Name: 012	Paleo Done By: OPERATOR	Borehole TVD: 8100
API Well Number: 177254062400	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 30-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 /	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11230 /	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 93	Date of Summary: 01-NOV-1999	First Sample Examined: 0
Lease Number: G19855	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5720
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 5720
API Well Number: 177254067200	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 17-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4440 / 4440	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 94	Date of Summary: 11-FEB-2002	First Sample Examined: 3028
Lease Number: G07802	Source of Paleo: OPERATOR	Borehole MD: 9314
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 5566
API Well Number: 177254072400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 3028 - 9314	Water Depth: 47
Public Info Code: Y 13-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3028 / 2500	DEF AT first sample examined	DEF AT 2
4500 / 3153	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT 2
6000 / 3826	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
7590 / 4592	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
8820 / 5253	DEF AT - - - - -	POS AT 3
9314 / 5566	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 95	Date of Summary: 29-MAR-2005	First Sample Examined: 4530
Lease Number: G23965	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11500
API Well Number: 177254080500	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 97
Paleo Report Num: 1 of 2	Sample Range: 4530 - 12312	Water Depth: 60
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT first sample examined	DEF AT 2
4531 / 4531	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5580 / 5580	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6870 / 6870	DEF AT -----	DEF AT 3
6930 / 6930	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
6990 / 6990	DEF AT -----	DEF AT 4
10080 / 9773	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10590 /10165	DEF AT -----	DEF AT 5
10980 /10465	DEF AT -----	DEF AT 4
11970 /11227	DEF AT -----	DEF AT 5
12312 /11500	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 95	Date of Summary: 29-MAR-2005	First Sample Examined: 4530
Lease Number: G23965	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11500
API Well Number: 177254080500	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 97
Paleo Report Num: 2 of 2	Sample Range: 4530 - 12312	Water Depth: 60
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT first sample examined	DEF AT
4770 / 4770	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
6000 / 6000	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
6900 / 6900	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10020 / 9727	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12312 / 11500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 104	Date of Summary: 12-MAY-1998	First Sample Examined: 0
Lease Number: G13960	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9000
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6821
API Well Number: 177254063800	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 17-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3160 / 2645	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4798 / 3395	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
6886 / 4719	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7282 / 5104	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 104	<b>Date of Summary:</b> 18-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19857	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10248
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6416
<b>API Well Number:</b> 177254063801	<b>Drilling Operator:</b> APACHE CORPORATION	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 24-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5960 / 4012	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10097 / 6328	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 107	Date of Summary: 31-JUL-1996	First Sample Examined: 0
Lease Number: G07804	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14677
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13725
API Well Number: 177254059800	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 30-MAR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13628 /12872	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 108	Date of Summary: 24-AUG-1995	First Sample Examined: 0
Lease Number: G04832	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14150
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 12438
API Well Number: 177254057000	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 69
Public Info Code: Y 30-APR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13552 /11907	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 108	Date of Summary: 20-AUG-2001	First Sample Examined: 0
Lease Number: G04832	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13605
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 12360
API Well Number: 177254071600	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 70
Public Info Code: Y 22-JUL-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11966 /11034	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 108	Date of Summary: 12-MAR-2001	First Sample Examined: 13160
Lease Number: G04832	Source of Paleo: OPERATOR	Borehole MD: 15510
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14177
API Well Number: 177254069203	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 131
Paleo Report Num: 1 of 2	Sample Range: 13160 - 15510	Water Depth: 70
Public Info Code: Y 08-JAN-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13160 /12318	DEF AT first sample examined	DEF AT 5
13340 /12473	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14060 /13068	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14330 /13289	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
14390 /13338	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
14420 /13363	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
14660 /13559	DEF AT -----	DEF AT 5
15110 /13919	DEF AT -----	DEF AT 6
15290 /14047	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
15510 /14177	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 108	Date of Summary: 12-MAR-2001	First Sample Examined: 13160
Lease Number: G04832	Source of Paleo: OPERATOR	Borehole MD: 15510
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14177
API Well Number: 177254069203	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 131
Paleo Report Num: 2 of 2	Sample Range: 13160 - 15510	Water Depth: 70
Public Info Code: Y 08-JAN-2011	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13160 /12318	DEF AT first sample examined	DEF AT
14030 /13043	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14330 /13289	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14420 /13363	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
15020 /13851	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
15510 /14177	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 108	<b>Date of Summary:</b> 12-APR-2002	<b>First Sample Examined:</b> 7650
<b>Lease Number:</b> G04832	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9511
<b>Well Name:</b> B003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8722
<b>API Well Number:</b> 177254072600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7650 - 9510	<b>Water Depth:</b> 72
<b>Public Info Code:</b> Y 20-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7650 / 7403	DEF AT first sample examined	POS AT 4
8670 / 8140	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
9510 / 8721	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 108	Date of Summary: 12-APR-2002	First Sample Examined: 9160
Lease Number: G04832	Source of Paleo: OPERATOR	Borehole MD: 19292
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15809
API Well Number: 177254072601	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 9160 - 19292	Water Depth: 70
Public Info Code: Y 05-MAY-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9160 / 8488	DEF AT first sample examined	DEF AT 4
9850 / 8959	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11050 / 9824	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
12340 /10820	DEF AT - - - - -	DEF AT 5
14170 /12197	DEF AT - - - - -	DEF AT 4
15190 /12934	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
15670 /13283	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
16180 /13655	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
16390 /13812	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
16480 /13880	DEF AT - - - - -	DEF AT 6
17800 /14847	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
18160 /15111	DEF AT - - - - -	DEF AT 5
18250 /15176	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
18490 /15345	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
18550 /15385	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
18610 /15424	POS AT reworked material	DEF IN 5
18640 /15444	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 5
18670 /15463	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 5
18700 /15483	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 5
18910 /15611	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT 5
19000 /15662	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT 5
19060 /15696	DEF AT - - - - -	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 108	<b>Date of Summary:</b> 12-APR-2002	<b>First Sample Examined:</b> 9160
<b>Lease Number:</b> G04832	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19292
<b>Well Name:</b> B003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15809
<b>API Well Number:</b> 177254072601	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9160 - 19292	<b>Water Depth:</b> 70
<b>Public Info Code:</b> Y 05-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19190 /15762	DEF IN Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	DEF AT 4
19240 /15785	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT 4
19292 /15809	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 114	Date of Summary: 03-JAN-2001	First Sample Examined: 0
Lease Number: G21141	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12005
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12003
API Well Number: 177254069500	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 30-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5980 / 5980	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7865 / 7865	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9620 / 9619	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
10960 /10958	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 118  
Lease Number: G22797  
Well Name: A001  
API Well Number: 177254081100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 21-MAY-2015

Date of Summary: 01-DEC-2005  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO CONTROL INC.  
Drilling Operator: XTO OFFSHORE INC  
Sample Range: 4300 - 13300  
Ecozone Eq MMS: Y

First Sample Examined: 4300  
Borehole MD: 13500  
Borehole TVD: 13493  
Rkb Elevation: 94  
Water Depth: 68  
Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4300 / 4299	DEF AT first sample examined	DEF AT 1
4301 / 4300	DEF IN Lower Pliocene	DEF AT 1
4600 / 4599	DEF AT -----	DEF AT 0
4690 / 4689	DEF AT -----	DEF AT 1
4720 / 4719	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 1
5170 / 5169	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
5200 / 5199	DEF AT -----	DEF AT 0
5380 / 5379	DEF AT -----	DEF AT 1
5410 / 5409	POS AT unconformity	DEF AT 1
5680 / 5678	DEF AT faunal change (no faunal increase)	DEF AT 2
5740 / 5738	DEF AT faunal change (no faunal increase)	DEF AT 1
5859 / 5856	DEF AT unconformity	DEF AT 3
5860 / 5857	DEF AT faunal change (no faunal increase)	DEF AT 3
6040 / 6037	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
7480 / 7477	DEF AT -----	POS AT 4
7570 / 7567	POS AT Upper Miocene (Tortonian) Cibicides crebbisi	POS AT 4
8260 / 8257	DEF AT -----	DEF AT 4
8320 / 8317	DEF AT Eggerella sp. (local marker)	DEF AT 4
8410 / 8407	DEF AT -----	DEF AT 5
8530 / 8527	DEF AT -----	POS AT 5
8739 / 8736	POS AT unconformity	POS AT 5
8740 / 8737	DEF IN Upper Miocene (Tortonian) Textularia "L"	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 118  
Lease Number: G22797  
Well Name: A001  
API Well Number: 177254081100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 21-MAY-2015

Date of Summary: 01-DEC-2005  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO CONTROL INC.  
Drilling Operator: XTO OFFSHORE INC  
Sample Range: 4300 - 13300  
Ecozone Eq MMS: Y

First Sample Examined: 4300  
Borehole MD: 13500  
Borehole TVD: 13493  
Rkb Elevation: 94  
Water Depth: 68  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9519 / 9516	DEF AT Eggerella 3 (local marker)	DEF AT 5
9520 / 9517	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10270 /10266	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10600 /10596	DEF AT faunal change (no faunal increase)	DEF AT 5
10630 /10625	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
10720 /10715	POS AT unconformity	DEF AT 5
11290 /11285	DEF AT -----	POS AT 5
12550 /12543	DEF AT -----	DEF AT 6
12580 /12573	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
13090 /13083	DEF AT -----	POS AT 6
13300 /13293	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 120	Date of Summary: 26-AUG-1996	First Sample Examined: 2910
Lease Number: G03197	Source of Paleo: OPERATOR	Borehole MD: 14210
Well Name: CE001	Paleo Done By: OPERATOR	Borehole TVD: 14203
API Well Number: 177254061100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 2910 - 14212	Water Depth: 103
Public Info Code: Y 30-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2910 / 2910	DEF AT first sample examined	DEF AT 2
3030 / 3030	DEF AT -----	DEF AT 1
3510 / 3510	DEF AT -----	DEF AT 2
4110 / 4110	DEF AT -----	DEF AT 1
4350 / 4350	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
4950 / 4950	DEF AT -----	DEF AT 3
5190 / 5190	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
5340 / 5340	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 3
5820 / 5820	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 3
5910 / 5910	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
6300 / 6299	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 3
6810 / 6809	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 3
7020 / 7019	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
8490 / 8489	DEF AT -----	DEF AT 0
8610 / 8609	DEF AT -----	DEF AT 1
9750 / 9748	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 1
9780 / 9778	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 0
10020 /10018	DEF AT -----	DEF AT 2
10650 /10647	DEF AT -----	DEF AT 5
10680 /10677	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10980 /10977	DEF AT -----	DEF AT 4
11340 /11337	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 120	Date of Summary: 26-AUG-1996	First Sample Examined: 2910
Lease Number: G03197	Source of Paleo: OPERATOR	Borehole MD: 14210
Well Name: CE001	Paleo Done By: OPERATOR	Borehole TVD: 14203
API Well Number: 177254061100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 2910 - 14212	Water Depth: 103
Public Info Code: Y 30-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11430 /11426	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
11520 /11516	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
12510 /12506	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
12690 /12686	DEF AT - - - - -	DEF AT 4
12780 /12776	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
14010 /14004	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
14212 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 125	Date of Summary: 30-JUL-2008	First Sample Examined: 4990
Lease Number: G25019	Source of Paleo: OPERATOR	Borehole MD: 12856
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12090
API Well Number: 177254084400	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 4990 - 12800	Water Depth: 98
Public Info Code: Y 19-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4990 / 4990	DEF AT first sample examined	DEF AT 2
5500 / 5498	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 2
5530 / 5527	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 2
5980 / 5963	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6039 / 6019	POS AT sequence boundary	DEF AT 2
6040 / 6020	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 2
6190 / 6161	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 2
6248 / 6215	POS AT out-of-place section	DEF AT 3
6249 / 6216	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 3
6250 / 6217	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 3
6340 / 6301	POS AT maximum flooding surface	DEF AT 3
7420 / 7321	POS AT sequence boundary	DEF AT 3
7509 / 7405	POS AT maximum flooding surface	DEF AT 4
7510 / 7406	POS IN Upper Miocene (Tortonian) Cyclamina 3	DEF AT 4
7540 / 7435	POS IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
8500 / 8346	POS AT sequence boundary	DEF AT 4
8619 / 8458	POS AT maximum flooding surface	DEF AT 4
8620 / 8459	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
9010 / 8829	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
9260 / 9062	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
9410 / 9200	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
10400 /10059	POS AT sequence boundary	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 125	<b>Date of Summary:</b> 30-JUL-2008	<b>First Sample Examined:</b> 4990
<b>Lease Number:</b> G25019	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12856
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12090
<b>API Well Number:</b> 177254084400	<b>Drilling Operator:</b> XTO OFFSHORE INC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4990 - 12800	<b>Water Depth:</b> 98
<b>Public Info Code:</b> Y 19-APR-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 /10158	POS AT maximum flooding surface	DEF AT 4
11300 /10803	POS AT sequence boundary	DEF AT 4
11510 /10976	DEF AT Upper Miocene (Tortonian) <i>Uvigerina</i> 3	DEF AT 4
11869 /11272	POS AT maximum flooding surface	DEF AT 4
11870 /11273	POS AT Upper Miocene (Tortonian) <i>Coccolithus miopelagicus</i>	DEF AT 4
12408 /11718	POS AT maximum flooding surface	DEF AT 4
12409 /11719	POS AT Middle Miocene (Serravallian) <i>Discoaster kugleri</i>	DEF AT 4
12410 /11720	POS AT Middle Miocene (Serravallian) <i>Globorotalia fohsi robusta</i>	DEF AT 4
12800 /12044	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 125	Date of Summary: 22-SEP-2008	First Sample Examined: 11900
Lease Number: G25019	Source of Paleo: OPERATOR	Borehole MD: 10150
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9860
API Well Number: 177254084401	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 11900 - 15128	Water Depth: 98
Public Info Code: Y 19-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nanno species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11900 /	DEF AT first sample examined	DEF AT 5
11901 /	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
11902 /	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12410 /	POS AT sequence boundary	DEF AT 5
12469 /	POS AT maximum flooding surface	DEF AT 5
12470 /	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12500 /	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
13280 /	POS AT sequence boundary	DEF AT 5
13400 /	POS AT maximum flooding surface	DEF AT 5
13430 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
13460 /	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
14150 /	DEF AT -----	DEF AT 5
15128 /	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 139	<b>Date of Summary:</b> 26-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13653	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11515
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6630
<b>API Well Number:</b> 177254061000	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 113
<b>Public Info Code:</b> Y 29-MAR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1830 / 1830	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
2010 / 2010	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
2630 / 2630	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4290 / 4238	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
4860 / 4628	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6260 / 5112	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11230 / 6534	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 140	Date of Summary: 19-JUN-1997	First Sample Examined: 0
Lease Number: G02193	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7520
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 6697
API Well Number: 177254007902	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 115
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 170
Public Info Code: Y 03-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6439 / 5638	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 140	Date of Summary: 19-JUN-1997	First Sample Examined: 0
Lease Number: G02193	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7520
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 6697
API Well Number: 177254007902	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 115
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 170
Public Info Code: Y 03-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7176 / 6369	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 141	Date of Summary: 16-MAY-1994	First Sample Examined: 0
Lease Number: G09710	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9000
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9000
API Well Number: 177254057500	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 170
Public Info Code: Y 04-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7850 / 7850	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 141	Date of Summary: 16-MAY-1994	First Sample Examined: 0
Lease Number: G09710	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8552
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 7977
API Well Number: 177254058300	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 185
Public Info Code: Y 22-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7960 / 7711	DEF AT Cyclammina sp. (local marker)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 144	Date of Summary: 24-AUG-1995	First Sample Examined: 4980
Lease Number: G01634	Source of Paleo: OPERATOR	Borehole MD: 10300
Well Name: BA007	Paleo Done By: OPERATOR	Borehole TVD: 8304
API Well Number: 177254058400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 4980 - 10300	Water Depth: 210
Public Info Code: Y 26-FEB-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4980 / 4325	DEF AT first sample examined	POS AT 1
4981 / 4326	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	POS AT 1
5010 / 4347	DEF AT - - - - -	DEF AT 1
5100 / 4415	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 1
5340 / 4596	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 1
5370 / 4618	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 1
6660 / 5606	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
7200 / 6022	DEF AT - - - - -	DEF AT 2
7620 / 6345	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 2
8370 / 6915	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10300 / 8304	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 158	Date of Summary: 19-NOV-1996	First Sample Examined: 0
Lease Number: G05705	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10764
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 9000
API Well Number: 177244075600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 132
Public Info Code: Y 06-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6080 / 5940	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
7700 / 6995	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8030 / 7203	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9620 / 8224	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT
10520 / 8836	DEF IN Middle Miocene (Langhian) Cibicides 38	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 159	Date of Summary: 05-MAR-2013	First Sample Examined: 6590
Lease Number: G31444	Source of Paleo: OPERATOR	Borehole MD: 7241
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6995
API Well Number: 177244097200	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 6590 - 7240	Water Depth: 129
Public Info Code: Y 28-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6590 / 6390	DEF AT first sample examined	POS AT 4
6591 / 6391	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	POS AT 4
6650 / 6446	POS IN Upper Miocene (Tortonian) Uvigerina 3	POS AT 4
7240 / 6994	DEF AT last sample examined	POS AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 160	Date of Summary: 01-MAY-1988	First Sample Examined: 1000
Lease Number: G05245	Source of Paleo: PUBLICATION	Borehole MD: 4400
Well Name: 001	Paleo Done By: UNKNOWN	Borehole TVD: 4400
API Well Number: 177244025400	Drilling Operator: TENNECO OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 1000 - 4420	Water Depth: 110
Public Info Code: Y 20-JUL-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Source is Mink, R M et al, 1988, Regional geologic framework and petroleum geology of Miocene strata of Alabama coastal waters area and adjacent Federal waters area, Geological Survey of Alabama and State Oil and Gas Board Final Report, page 76

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1000 / 1000	DEF AT first sample examined	DEF AT
1780 / 1780	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
2710 / 2710	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
3760 / 3760	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
3940 / 3940	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT
4420 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 162	Date of Summary: 01-JUN-1998	First Sample Examined: 7230
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 12690
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11400
API Well Number: 177244081700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 7230 - 12690	Water Depth: 91
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7230 / 7201	DEF AT first sample examined	POS AT 2
7500 / 7455	DEF AT pyrite	DEF AT 2
7529 / 7481	DEF AT Eggerella sp. (local marker)	DEF AT 2
7530 / 7482	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 2
8100 / 7962	DEF AT Eggerella 3 (local marker)	POS AT 3
8520 / 8275	DEF AT - - - - -	POS AT 2
8940 / 8584	DEF AT pyrite	POS AT 2
11190 /10305	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
11460 /10498	DEF AT Eggerella sp. (local marker)	DEF AT 3
11520 /10542	DEF AT Bathysiphon fauna	DEF AT 3
11550 /10565	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 3
11729 /10699	DEF AT pyrite	DEF AT 3
11730 /10700	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 3
11848 /10788	POS AT unconformity	DEF AT 3
11849 /10789	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 3
11850 /10789	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
11880 /10812	DEF AT local marker benthic foram increase	DEF AT 3
11910 /10834	DEF AT faunal change (no faunal increase)	DEF AT 4
11940 /10856	DEF AT pyrite	DEF AT 4
12000 /10901	DEF AT local marker foram increase	DEF AT 4
12090 /10968	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12330 /11143	DEF AT local marker planktic foram increase	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 162	<b>Date of Summary:</b> 01-JUN-1998	<b>First Sample Examined:</b> 7230
<b>Lease Number:</b> G13968	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12690
<b>Well Name:</b> A001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 11400
<b>API Well Number:</b> 177244081700	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7230 - 12690	<b>Water Depth:</b> 91
<b>Public Info Code:</b> Y 11-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12390 /11187	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
12510 /11273	DEF AT local marker benthic foram increase	DEF AT 5
12540 /11294	DEF AT local marker foram increase	DEF AT 5
12660 /11379	DEF AT local marker planktic foram increase	DEF AT 5
12690 /11400	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 162	Date of Summary: 22-JUL-1998	First Sample Examined: 6960
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 11180
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10285
API Well Number: 177244082100	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6960 - 11160	Water Depth: 91
Public Info Code: Y 20-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6960 / 6618	DEF AT first sample examined	DEF AT 3
6961 / 6619	DEF IN Upper Miocene (Tortonian) <i>Uvigerina</i> 3	DEF AT 3
6962 / 6620	DEF IN Upper Miocene (Tortonian) <i>Haplophragmoides wilsoni</i> (local acme)	DEF AT 3
9360 / 8673	DEF AT <i>Eggerella</i> sp. (local marker)	DEF IN 3
9390 / 8699	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi robusta</i>	DEF AT 4
10890 /10027	DEF AT local marker foram increase	DEF AT 4
11130 /10240	POS AT Middle Miocene (Serravallian) <i>Globorotalia fohsi lobata</i>	DEF AT 4
11160 /10267	DEF AT last sample examined	DEF AT 4

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End Date: 01-DEC-2016

Area Block: MP 162	Date of Summary: 22-JUL-1998	First Sample Examined: 7020
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 11180
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10285
API Well Number: 177244082100	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7020 - 11160	Water Depth: 91
Public Info Code: Y 20-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 6669	DEF AT first sample examined	DEF AT
7260 / 6873	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9390 / 8699	DEF AT local marker floral increase	DEF AT
9480 / 8777	POS AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
9540 / 8830	DEF AT local marker floral decrease	DEF AT
9810 / 9067	DEF AT local marker floral increase	DEF AT
9870 / 9120	DEF AT local marker floral decrease	DEF AT
10890 /10027	DEF AT local marker floral increase	DEF AT
10950 /10080	DEF AT local marker floral decrease	DEF AT
11070 /10187	DEF AT local marker floral increase	DEF AT
11160 /10267	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 03-MAR-1998	First Sample Examined: 0
Lease Number: G18105	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9635
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9311
API Well Number: 177244080900	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5040 / 5040	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5100 / 5100	DEF AT local marker (general)	DEF AT
5130 / 5130	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
5940 / 5940	DEF AT local marker (general)	DEF AT
6750 / 6749	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-SEP-1999	First Sample Examined: 7600
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10655
Well Name: 003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 8750
API Well Number: 177244084500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 7600 - 10655	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7600 / 6403	DEF AT first sample examined	POS AT 3
7601 / 6404	POS IN Upper Miocene (Tortonian) Textularia "L"	POS AT 3
7720 / 6494	POS AT Upper Miocene (Tortonian) Cibicides carstensi	POS AT 3
7840 / 6586	DEF AT - - - - -	DEF IN 2
7960 / 6677	DEF AT Eggerella sp. (local marker)	DEF AT 3
8320 / 6950	DEF AT sand	DEF AT 3
8440 / 7040	DEF AT - - - - -	DEF IN 3
8530 / 7108	DEF AT Eggerella sp. (local marker)	POS AT 4
8710 / 7246	DEF AT - - - - -	DEF IN 3
8770 / 7292	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
8830 / 7339	DEF AT sand	DEF IN 3
8950 / 7430	DEF AT sand	DEF IN 3
9010 / 7476	POS AT local marker (general)	DEF IN 3
9070 / 7521	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
9160 / 7590	DEF AT cement	DEF AT 4
9250 / 7658	DEF AT Eggerella sp. (local marker)	DEF AT 4
9370 / 7749	DEF AT sand	DEF AT 4
9490 / 7839	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9670 / 7976	DEF AT pyrite	DEF AT 4
9730 / 8023	DEF AT Eggerella 3 (local marker)	DEF AT 4
9820 / 8093	DEF AT Eggerella 3 (local marker)	DEF AT 4
9880 / 8140	DEF AT sand	DEF AT 4

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<b>Area Block:</b> MP 178	<b>Date of Summary:</b> 01-SEP-1999	<b>First Sample Examined:</b> 7600
<b>Lease Number:</b> G18105	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10655
<b>Well Name:</b> 003	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 8750
<b>API Well Number:</b> 177244084500	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7600 - 10655	<b>Water Depth:</b> 151
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9940 / 8187	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10000 / 8234	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10059 / 8280	DEF AT pyrite	DEF AT 4
10060 / 8281	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10090 / 8304	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10450 / 8587	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
10510 / 8635	DEF AT sand	DEF AT 4
10655 / 8750	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-SEP-1999	First Sample Examined: 9160
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10655
Well Name: 003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 8750
API Well Number: 177244084500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 9160 - 10665	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9160 / 7590	DEF AT first sample examined	DEF AT
9161 / 7591	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
9730 / 8023	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
10030 / 8257	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
10060 / 8281	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10061 / 8281	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
10150 / 8351	DEF AT reworked material	DEF AT
10151 / 8352	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
10330 / 8493	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
10450 / 8587	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
10570 / 8683	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10630 / 8730	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-APR-1998	First Sample Examined: 7710
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11974
API Well Number: 177244081300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 7710 - 12000	Water Depth: 147
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7710 / 7709	DEF AT first sample examined	DEF AT 4
7711 / 7710	DEF AT local marker deep water fauna	DEF AT 4
7770 / 7769	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
8010 / 8009	DEF AT faunal change (no faunal increase)	DEF AT 3
8310 / 8309	DEF AT faunal change (no faunal increase)	POS AT 3
8610 / 8609	DEF AT Eggerella 3 (local marker)	POS AT 3
8670 / 8669	DEF AT drilling material	POS AT 3
8970 / 8969	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 4
8971 / 8970	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9090 / 9087	DEF AT Eggerella sp. (local marker)	DEF AT 4
9150 / 9145	DEF AT drilling material	DEF AT 4
9240 / 9232	DEF AT faunal change (no faunal increase)	POS AT 4
10230 /10204	DEF AT faunal change (no faunal increase)	DEF AT 3
10380 /10354	DEF AT local marker benthic foram increase	DEF AT 4
10440 /10414	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
10470 /10444	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 4
10650 /10624	DEF AT local marker benthic foram increase	DEF AT 4
10710 /10684	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10770 /10744	DEF AT Cyclammina sp. (local marker)	DEF AT 5
10860 /10834	DEF AT local marker benthic foram increase	DEF AT 5
10890 /10864	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
11130 /11104	DEF AT Arenaceous fauna (local marker)	DEF AT 5

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Area Block: MP 178	Date of Summary: 01-APR-1998	First Sample Examined: 7710
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11974
API Well Number: 177244081300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 7710 - 12000	Water Depth: 147
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11370 /11344	DEF AT local marker foram increase	DEF AT 6
11400 /11374	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
11460 /11434	DEF AT local marker benthic foram increase	DEF AT 6
11580 /11554	DEF AT Eggerella sp. (local marker)	DEF AT 6
11640 /11614	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
11670 /11644	DEF AT local marker benthic foram increase	DEF AT 6
11730 /11704	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
11790 /11764	DEF AT local marker planktic foram increase	DEF AT 6
11849 /11823	POS AT unconformity	DEF AT 6
11850 /11824	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
11910 /11884	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 6
11940 /11914	DEF AT local marker planktic foram increase	DEF AT 6
12000 /11974	DEF AT last sample examined	DEF AT 6

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-APR-1998	First Sample Examined: 7710
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11974
API Well Number: 177244081300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 7710 - 12000	Water Depth: 147
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7710 / 7709	DEF AT first sample examined	DEF AT
7711 / 7710	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
7950 / 7949	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
8970 / 8969	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
9030 / 9028	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
9450 / 9437	DEF AT reworked material	DEF AT
9930 / 9906	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
10290 /10264	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
10410 /10384	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
10470 /10444	DEF AT reworked material	DEF AT
10529 /10503	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10530 /10504	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10650 /10624	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
11130 /11104	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
11310 /11284	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
11430 /11404	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
11790 /11764	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11969 /11943	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11970 /11944	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
12000 /11974	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9760 / 8995	DEF AT first sample examined	POS AT 4
9761 / 8996	DEF AT cement	POS AT 4
9820 / 9048	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 4
9910 / 9128	DEF AT pyrite	POS AT 4
10270 / 9449	DEF AT pyrite	POS AT 4
10390 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
10450 /	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10540 /	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10690 /	DEF AT pyrite	DEF AT 4
10750 /	DEF AT faunal change (no faunal increase)	POS AT 4
10780 /	DEF AT pyrite	POS AT 4
11140 /	DEF AT sand	POS IN 3
11380 /	DEF AT local marker benthic foram increase	POS IN 3
11500 /	DEF AT pyrite	POS IN 3
11560 /	DEF AT pyrite	POS IN 3
11710 /	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11740 /	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
11770 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11830 /	DEF AT sand	DEF AT 4
11920 /	DEF AT local marker foram increase	DEF AT 4
11980 /	DEF AT faunal change (no faunal increase)	DEF AT 4
12070 /	DEF AT faunal change (no faunal increase)	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12250 /	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
12340 /	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
12370 /	DEF AT local marker planktic foram increase	DEF AT 5
12400 /	DEF AT foram flood	DEF AT 5
12430 /	DEF AT faunal change (no faunal increase)	DEF AT 4
12490 /	DEF AT local marker foram decrease	DEF AT 4
12550 /	DEF AT faunal change (no faunal increase)	DEF AT 5
12610 /	DEF AT Arenaceous fauna (local marker)	DEF AT 5
12820 /	DEF AT faunal change (no faunal increase)	DEF AT 6
12850 /	DEF AT local marker deep water fauna	DEF AT 6
12940 /	DEF AT foram flood	DEF AT 6
13000 /	DEF AT local marker foram increase	DEF AT 6
13060 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
13090 /	DEF AT local marker foram increase	DEF AT 6
13210 /	DEF AT foram flood	DEF AT 6
13270 /	DEF AT local marker deep water fauna	DEF AT 6
13300 /	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
13510 /	DEF AT local marker foram increase	DEF AT 6
13570 /	DEF AT Bathysiphon fauna	DEF AT 6
13660 /	DEF AT foram flood	DEF AT 6
13810 /	DEF AT local marker foram increase	DEF AT 6
13840 /	DEF AT local marker foram increase	DEF AT 6
13900 /	DEF AT local marker foram increase	DEF AT 5
13960 /	DEF AT drilling material	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13990 /	DEF AT Eggerella sp. (local marker)	DEF AT 5
14020 /	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 6
14080 /	DEF AT Arenaceous fauna (local marker)	DEF AT 6
14110 /	DEF AT local marker foram increase	DEF AT 6
14290 /	DEF AT Arenaceous fauna (local marker)	DEF AT 6
14350 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 6
14410 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
14440 /	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 6
14470 /	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 6
14500 /	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 6
14530 /	DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 6
14590 /	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 6
14620 /	DEF AT pyrite	DEF AT 6
14650 /	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
14679 /	DEF AT foram flood	DEF IN 6
14680 /	DEF AT local marker planktic foram increase	DEF IN 6
14740 /	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	POS AT 6
14770 /	POS AT Middle Eocene (Bartonian) Orbulinoides beckmanni	POS AT 6
14791 /	DEF IN Middle Eocene Cook Mountain Formation	POS AT 6
14792 /	DEF AT last sample examined	POS AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, 14740=Middle Eocene (Bartonian) Helicosphaera seminulum LAD, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9760 / 8995	DEF AT first sample examined	DEF AT
9761 / 8996	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
10060 / 9262	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
10450 /	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
11830 /	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
12400 /	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
12670 /	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
12790 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13210 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
13270 /	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
13420 /	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
13750 /	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
14020 /	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
14230 /	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
14290 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14380 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14560 /	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
14590 /	DEF AT Lower Miocene (Aquitainian) Helicosphaera recta	DEF AT
14620 /	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
14621 /	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
14650 /	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14740 /	DEF AT Middle Eocene (Bartonian) Pemma balium	DEF AT
14770 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 181	Date of Summary: 18-JAN-1991	First Sample Examined: 2310
Lease Number: G12092	Source of Paleo: OPERATOR	Borehole MD: 6170
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6000
API Well Number: 177244050900	Drilling Operator: MIDGARD ENERGY COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 2310 - 6150	Water Depth: 137
Public Info Code: Y 30-JAN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2310 / 2310	DEF AT first sample examined	POS IN 3
2311 / 2311	DEF IN cement	POS IN 3
2400 / 2400	DEF AT -----	DEF IN 3
2760 / 2760	DEF AT -----	DEF AT 2
3030 / 3030	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
3720 / 3704	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
5040 / 4941	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
6090 / 5925	POS AT -----	DEF AT 4
6150 / 5982	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 181	Date of Summary: 13-DEC-1991	First Sample Examined: 0
Lease Number: G12092	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8290
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5851
API Well Number: 177244055400	Drilling Operator: MIDGARD ENERGY COMPANY	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 01-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3590 / 3092	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4220 / 3462	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5330 / 4075	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
6950 / 4978	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 181	Date of Summary: 07-FEB-1996	First Sample Examined: 0
Lease Number: G12092	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6546
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 5695
API Well Number: 177244067000	Drilling Operator: MIDGARD ENERGY COMPANY	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 16-DEC-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4030 / 3512	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
5050 / 4311	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 187	Date of Summary: 09-JUL-1998	First Sample Examined: 0
Lease Number: G08756	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4022
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 3199
API Well Number: 177244049500	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 30-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1634 / 1485	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 187	Date of Summary: 06-JUL-1999	First Sample Examined: 4010
Lease Number: G08756	Source of Paleo: OPERATOR	Borehole MD: 8551
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 5894
API Well Number: 177244083300	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 2	Sample Range: 4010 - 8540	Water Depth: 155
Public Info Code: Y 04-JAN-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4010 / 3355	DEF AT first sample examined	DEF AT 2
4250 / 3487	DEF AT - - - - -	DEF AT 3
5510 / 4193	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
5900 / 4404	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
7190 / 5118	DEF AT - - - - -	DEF AT 4
8540 / 5888	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 187	Date of Summary: 06-JUL-1999	First Sample Examined: 0
Lease Number: G08756	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8551
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 5894
API Well Number: 177244083300	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 130
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 155
Public Info Code: Y 04-JAN-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5510 / 4193	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
5900 / 4404	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 198	Date of Summary: 13-JUL-1998	First Sample Examined: 0
Lease Number: G13659	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 9500
API Well Number: 177244071500	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 163
Public Info Code: Y 29-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7896 / 7896	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 198	Date of Summary: 20-FEB-1997	First Sample Examined: 4178
Lease Number: G13659	Source of Paleo: OPERATOR	Borehole MD: 11918
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 9945
API Well Number: 177244075100	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 4178 - 11918	Water Depth: 163
Public Info Code: Y 29-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4178 / 3481	DEF AT first sample examined	POS AT 2
4179 / 3481	DEF AT poor sample interval top	POS AT 2
4420 / 3640	POS AT Upper Miocene (Messinian) Discoaster berggrenii	POS AT 2
4660 / 3803	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 2
4920 / 3978	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 2
5080 / 4087	POS AT local marker foram increase	POS AT 3
6190 / 4832	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
6309 / 4913	DEF AT poor sample interval bottom	DEF AT 4
6310 / 4913	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
6850 / 5284	DEF AT local marker foram increase	DEF AT 4
7090 / 5448	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
7149 / 5488	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT 4
7150 / 5489	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
7330 / 5612	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
7720 / 5891	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
7930 / 6054	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
8500 / 6555	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
8590 / 6638	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
8740 / 6779	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 5
10400 / 8427	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10460 / 8487	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
10490 / 8517	DEF AT local marker deep water fauna	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 198	<b>Date of Summary:</b> 20-FEB-1997	<b>First Sample Examined:</b> 4178
<b>Lease Number:</b> G13659	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11918
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 9945
<b>API Well Number:</b> 177244075100	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4178 - 11918	<b>Water Depth:</b> 163
<b>Public Info Code:</b> Y 29-DEC-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11270 / 9297	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
11300 / 9327	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
11870 / 9897	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
11918 / 9945	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 198	Date of Summary: 30-MAR-2000	First Sample Examined: 0
Lease Number: G13659	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12364
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8835
API Well Number: 177244084600	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 163
Public Info Code: Y 29-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11512 / 8167	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 198	<b>Date of Summary:</b> 21-FEB-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13659	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10511
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9184
<b>API Well Number:</b> 177244085600	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 163
<b>Public Info Code:</b> Y 29-DEC-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4345 / 4258	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
5426 / 5293	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5914 / 5766	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
7090 / 6905	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
7683 / 7414	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
10170 / 8986	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 198	Date of Summary: 17-JUL-2000	First Sample Examined: 0
Lease Number: G13659	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9799
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 9001
API Well Number: 177244085800	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 163
Public Info Code: Y 29-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6210 / 6167	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
8410 / 7905	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 199	Date of Summary: 02-AUG-1995	First Sample Examined: 0
Lease Number: G12093	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11338
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11332
API Well Number: 177244070400	Drilling Operator: UMC PETROLEUM CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 160
Public Info Code: Y 20-SEP-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9210 / 9209	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 199  
 Lease Number: G12093  
 Well Name: A002  
 API Well Number: 177244086300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 20-SEP-2001

Date of Summary: 17-JAN-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13318  
 Borehole TVD: 11205  
 Rkb Elevation: 120  
 Water Depth: 158  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6908 / 6204	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8570 / 7471	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
10900 / 9252	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
13050 / 10966	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 200	<b>Date of Summary:</b> 08-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15378	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10500
<b>API Well Number:</b> 177244086700	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 162
<b>Public Info Code:</b> Y 02-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7700 / 7700	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8250 / 8250	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
9370 / 9370	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 201	<b>Date of Summary:</b> 01-MAR-1999	<b>First Sample Examined:</b> 1000
<b>Lease Number:</b> G18111	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 3700
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 3700
<b>API Well Number:</b> 177244082900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 1000 - 3700	<b>Water Depth:</b> 167
<b>Public Info Code:</b> Y 31-JUL-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1000 / 1000	DEF AT first sample examined	DEF AT 2
1001 / 1001	DEF AT shell fragments	DEF AT 2
1002 / 1002	DEF AT sand	DEF AT 2
1003 / 1003	DEF AT local marker foram increase	DEF AT 2
1120 / 1120	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
1840 / 1840	DEF AT local marker foram increase	DEF AT 3
2110 / 2110	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	POS AT 3
2710 / 2710	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
2980 / 2980	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
3700 / 3700	DEF AT last sample examined	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 210	<b>Date of Summary:</b> 25-MAY-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19861	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6000
<b>API Well Number:</b> 177244083600	<b>Drilling Operator:</b> SNYDER OIL CORPORATION	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 25-MAY-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5540 / 5540	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5630 / 5630	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 211	Date of Summary: 03-JUL-1996	First Sample Examined: 0
Lease Number: G15381	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10800
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10799
API Well Number: 177244073100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 174
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 7400	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8920 / 8920	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
10105 /10104	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 216	Date of Summary: 03-MAR-1999	First Sample Examined: 3600
Lease Number: G13971	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: C001	Paleo Done By: PALEO SOURCE	Borehole TVD: 10497
API Well Number: 177244082200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 3600 - 10500	Water Depth: 164
Public Info Code: Y 27-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3600 / 3600	DEF AT first sample examined	DEF AT 3
3601 / 3601	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
3660 / 3660	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 3
3840 / 3840	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
4290 / 4290	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
4529 / 4529	DEF AT unconformity	DEF AT 3
4530 / 4530	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
4590 / 4590	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 3
4680 / 4680	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 3
4950 / 4950	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 3
5370 / 5369	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
5520 / 5519	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
5970 / 5969	DEF AT unconformity	DEF AT 4
5999 / 5998	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
6000 / 5999	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
6180 / 6179	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
6480 / 6478	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
6540 / 6538	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
7259 / 7257	DEF AT reworked material	DEF AT 5
7260 / 7258	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
7261 / 7259	DEF AT reworked material	DEF AT 5
7530 / 7528	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 216	Date of Summary: 03-MAR-1999	First Sample Examined: 3600
Lease Number: G13971	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: C001	Paleo Done By: PALEO SOURCE	Borehole TVD: 10497
API Well Number: 177244082200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 3600 - 10500	Water Depth: 164
Public Info Code: Y 27-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7890 / 7888	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 5
7920 / 7918	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
8159 / 8157	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
8160 / 8158	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
8490 / 8488	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
8520 / 8518	DEF AT reworked material	POS AT 5
9330 / 9328	DEF AT reworked material	POS AT 6
10290 /10287	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
10410 /10407	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 6
10470 /10467	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
10500 /10497	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 217	Date of Summary: 01-OCT-1995	First Sample Examined: 3530
Lease Number: G14580	Source of Paleo: OPERATOR	Borehole MD: 9800
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 9800
API Well Number: 177244070700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 3530 - 9800	Water Depth: 167
Public Info Code: Y 19-APR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3530 / 3530	DEF AT first sample examined	DEF AT 3
3531 / 3531	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
3532 / 3532	DEF IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 3
3770 / 3770	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 3
4190 / 4190	DEF AT local marker foram increase	DEF IN 3
4219 / 4219	POS AT condensed section	DEF IN 3
4220 / 4220	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
5600 / 5600	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
5809 / 5809	DEF AT condensed section	DEF IN 4
5810 / 5810	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
5870 / 5870	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
5990 / 5990	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
6170 / 6170	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
6880 / 6880	DEF AT pyrite	DEF AT 5
7450 / 7450	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
7510 / 7510	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
7660 / 7660	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
7840 / 7840	POS AT unconformity	DEF AT 5
8650 / 8650	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
8800 / 8800	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
8890 / 8890	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
9070 / 9070	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 217	<b>Date of Summary:</b> 01-OCT-1995	<b>First Sample Examined:</b> 3530
<b>Lease Number:</b> G14580	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9800
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 9800
<b>API Well Number:</b> 177244070700	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3530 - 9800	<b>Water Depth:</b> 167
<b>Public Info Code:</b> Y 19-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9190 / 9190	DEF AT pyrite	DEF AT 5
9250 / 9250	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
9430 / 9430	DEF AT drilling material	DEF AT 5
9520 / 9520	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
9700 / 9700	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
9760 / 9760	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
9800 / 9799	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 217	<b>Date of Summary:</b> 20-JUN-1996	<b>First Sample Examined:</b> 3520
<b>Lease Number:</b> G14580	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11814
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 10150
<b>API Well Number:</b> 177244073200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3520 - 11814	<b>Water Depth:</b> 173
<b>Public Info Code:</b> Y 19-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3520 / 3520	DEF AT first sample examined	DEF AT 3
3521 / 3521	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
4180 / 4180	DEF AT local marker foram increase	DEF IN 3
4450 / 4450	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
4630 / 4630	DEF AT local marker foram increase	DEF AT 4
5979 / 5979	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
5980 / 5980	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
6040 / 6040	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
6280 / 6280	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
6370 / 6370	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
7510 / 7485	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
7540 / 7512	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
7990 / 7907	DEF AT local marker foram increase	DEF AT 5
8080 / 7981	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
8139 / 8028	DEF AT reworked material	DEF AT 5
8140 / 8029	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
8919 / 8541	DEF AT reworked material	DEF AT 5
8920 / 8541	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
9280 / 8735	DEF AT local marker foram increase	DEF AT 5
9880 / 9060	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
10190 / 9231	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
10250 / 9265	POS AT transported shelf fauna	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 217	<b>Date of Summary:</b> 20-JUN-1996	<b>First Sample Examined:</b> 3520
<b>Lease Number:</b> G14580	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11814
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 10150
<b>API Well Number:</b> 177244073200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3520 - 11814	<b>Water Depth:</b> 173
<b>Public Info Code:</b> Y 19-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 / 9282	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
10460 / 9383	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
10730 / 9534	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
11814 /10150	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 221	Date of Summary: 15-MAR-2006	First Sample Examined: 11980
Lease Number: G26163	Source of Paleo: OPERATOR	Borehole MD: 21921
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 21777
API Well Number: 177244092400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 11980 - 21921	Water Depth: 245
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 15270= Santonian Nannoconus farinaciae LAD and Nannoconus regularis LAD, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 /11979	DEF AT first sample examined	DEF AT
11981 /11980	DEF IN Upper (Late) Cretaceous	DEF AT
15270 /15198	DEF IN Upper Cretaceous Santonian Stage	DEF AT
15330 /15257	DEF AT local marker floral decrease	DEF AT
15930 /15840	POS AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
16170 /16073	DEF AT local marker floral decrease	DEF AT
18509 /18376	DEF AT Lower Cretaceous (Aptian) Nannoconus kamptneri	DEF AT
18510 /18377	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
18570 /18437	DEF AT local marker floral decrease	DEF AT
19200 /19066	DEF AT local marker floral decrease	DEF AT
19320 /19186	DEF AT Lower Cretaceous (Valanginian) Rucinolithus wisei	DEF AT
19440 /19306	POS AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
19560 /19426	DEF AT local marker floral decrease	DEF AT
20100 /19966	DEF IN Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
20220 /20085	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
20340 /20205	DEF AT local marker floral decrease	DEF AT
20480 /20345	POS AT local marker floral increase	DEF AT
21900 /21756	DEF IN Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
21921 /21777	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 223	Date of Summary: 25-MAY-1998	First Sample Examined: 6690
Lease Number: G12096	Source of Paleo: OPERATOR	Borehole MD: 10547
Well Name: A007	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 9884
API Well Number: 177244081800	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 3600 - 10547	Water Depth: 269
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6690 / 6456	DEF AT first sample examined	DEF AT 3
6691 / 6457	DEF IN Upper (Late) Miocene	DEF AT 3
7050 / 6776	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
7140 / 6855	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
7230 / 6935	DEF AT - - - - -	DEF AT 4
9001 / 8505	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10439 / 9785	POS AT unconformity	DEF IN 4
10440 / 9786	DEF AT local marker foram increase	DEF IN 4
10547 / 9884	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 223	Date of Summary: 14-APR-2000	First Sample Examined: 0
Lease Number: G12096	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15623
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 10224
API Well Number: 177244082300	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 265
Public Info Code: Y 06-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9865 / 6669	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
12100 / 8066	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14403 / 9502	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 223	<b>Date of Summary:</b> 12-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12096	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10508
<b>Well Name:</b> A010	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8805
<b>API Well Number:</b> 177244085400	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 136
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 266
<b>Public Info Code:</b> Y 12-JAN-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6655 / 5335	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8320 / 6661	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
9200 / 7500	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 223	<b>Date of Summary:</b> 10-MAR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15387	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11723
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10369
<b>API Well Number:</b> 177244075200	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 134
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 269
<b>Public Info Code:</b> Y 27-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7740 / 6842	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
9330 / 8191	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
9916 / 8709	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT
11129 / 9812	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 223	Date of Summary: 26-OCT-1998	First Sample Examined: 0
Lease Number: G15387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10330
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 9012
API Well Number: 177244082500	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 269
Public Info Code: Y 13-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6495 / 5744	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7784 / 6833	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
8563 / 7505	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9240 / 8086	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 224	Date of Summary: 03-JUN-1997	First Sample Examined: 0
Lease Number: G13032	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9000
API Well Number: 177244078000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 242
Public Info Code: Y 07-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6470 / 6470	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7070 / 7070	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7880 / 7880	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8210 / 8210	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
8750 / 8750	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 225	Date of Summary: 17-JUN-1996	First Sample Examined: 0
Lease Number: G13034	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13915
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10323
API Well Number: 177244073500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 255
Public Info Code: Y 07-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12345 /10240	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 2340
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 7800
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 7800
API Well Number: 177244070500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 2340 - 7800	Water Depth: 195
Public Info Code: Y 03-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2340 / 2340	DEF AT first sample examined	POS AT 3
2760 / 2760	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
2879 / 2879	POS AT unconformity	DEF AT 3
2880 / 2880	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
3509 / 3509	POS AT unconformity	DEF AT 3
3510 / 3510	DEF AT pyrite	DEF AT 3
3929 / 3929	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
3930 / 3930	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
4560 / 4560	POS AT unconformity	DEF IN 3
4620 / 4620	DEF AT pyrite	DEF IN 3
5010 / 5010	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 3
5249 / 5249	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
5250 / 5250	DEF AT faunal change (no faunal increase)	DEF AT 4
5789 / 5789	POS AT unconformity	DEF AT 4
5790 / 5790	DEF AT local marker foram increase	DEF AT 4
6630 / 6630	POS AT unconformity	DEF AT 4
6631 / 6631	POS AT local marker foram increase	DEF AT 4
6810 / 6810	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
6899 / 6899	DEF AT pyrite	DEF AT 5
6900 / 6900	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
6960 / 6960	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
7080 / 7080	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 225	<b>Date of Summary:</b> 15-JAN-1997	<b>First Sample Examined:</b> 2340
<b>Lease Number:</b> G14581	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7800
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 7800
<b>API Well Number:</b> 177244070500	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2340 - 7800	<b>Water Depth:</b> 195
<b>Public Info Code:</b> Y 03-APR-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7259 / 7259	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
7260 / 7260	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
7800 / 7800	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 3560
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 11000
API Well Number: 177244071200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 3560 - 11000	Water Depth: 256
Public Info Code: Y 13-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3560 / 3560	DEF AT first sample examined	POS IN 3
3561 / 3561	POS IN Upper Miocene (Messinian) Discoaster berggrenii	POS IN 3
3680 / 3680	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
3920 / 3920	POS AT unconformity	DEF IN 3
3980 / 3980	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 3
4160 / 4160	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
4400 / 4400	POS AT unconformity	DEF AT 3
4700 / 4700	POS AT unconformity	DEF AT 3
5300 / 5300	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
5360 / 5360	DEF AT unconformity	DEF AT 4
5960 / 5960	DEF AT pyrite	DEF AT 4
6890 / 6890	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
7339 / 7339	DEF AT pyrite	DEF AT 5
7340 / 7340	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
8208 / 8208	DEF AT pyrite	DEF AT 5
8209 / 8209	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
8210 / 8210	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
8719 / 8718	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
8720 / 8719	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9570 / 9569	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
9730 / 9729	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
9840 / 9839	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 225	<b>Date of Summary:</b> 15-JAN-1997	<b>First Sample Examined:</b> 3560
<b>Lease Number:</b> G14581	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11000
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 11000
<b>API Well Number:</b> 177244071200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3560 - 11000	<b>Water Depth:</b> 256
<b>Public Info Code:</b> Y 13-JUL-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9870 / 9869	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
9930 / 9929	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
9959 / 9958	POS AT unconformity	DEF IN 5
9960 / 9959	DEF AT glauconite	DEF IN 5
10770 /10769	DEF AT local marker deep water fauna	DEF AT 6
10830 /10829	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11000 /10999	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 3520
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 11316
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 10565
API Well Number: 177244071400	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 3520 - 11316	Water Depth: 256
Public Info Code: Y 08-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
3640 / 3639	DEF AT first sample examined	POS	IN	3
3641 / 3640	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	POS	IN	3
3850 / 3848	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	POS	IN	3
4270 / 4257	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN	3
5790 / 5603	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	4
6540 / 6239	DEF AT Upper Miocene (Tortonian) Minyliitha convallis	DEF	AT	4
7470 / 7036	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	IN	4
7590 / 7139	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	IN	4
7740 / 7268	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	IN	4
8940 / 8314	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	5
9120 / 8473	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5
9570 / 8878	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
9689 / 8987	POS AT unconformity	DEF	AT	5
9690 / 8988	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	5
9899 / 9180	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	5
9900 / 9181	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	5
10680 / 9931	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	IN	5
10800 /10050	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	IN	5
10860 /10110	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	IN	5
11316 /10565	DEF AT last sample examined	DEF	IN	5

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MP 225	<b>Date of Summary:</b> 15-JAN-1997	<b>First Sample Examined:</b> 3550
<b>Lease Number:</b> G14581	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10586
<b>Well Name:</b> D001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9789
<b>API Well Number:</b> 177244074500	<b>Drilling Operator:</b> MILLENNIUM OFFSHORE GROUP INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3550 - 10586	<b>Water Depth:</b> 257
<b>Public Info Code:</b> Y 08-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
3550 / 3550	DEF AT first sample examined	POS	IN	3
3551 / 3551	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS	IN	3
4030 / 4029	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN	3
4090 / 4088	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	IN	3
4900 / 4853	POS AT unconformity	DEF	IN	3
5050 / 4987	DEF AT transported shelf fauna	DEF	IN	3
5290 / 5197	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN	3
5590 / 5459	DEF AT local marker foram increase	DEF	AT	4
5800 / 5643	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
6190 / 5981	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
6600 / 6335	DEF AT unconformity	DEF	AT	4
6990 / 6672	DEF AT transported shelf fauna	DEF	AT	4
7140 / 6801	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	IN	4
7320 / 6955	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF	IN	4
7410 / 7032	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	IN	4
7500 / 7108	DEF AT local marker foram increase	DEF	AT	5
7650 / 7235	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	AT	5
7710 / 7286	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	5
7770 / 7337	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT	5
8760 / 8182	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	5
8910 / 8314	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	5
9420 / 8768	DEF AT limestone	DEF	AT	5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 225	<b>Date of Summary:</b> 15-JAN-1997	<b>First Sample Examined:</b> 3550
<b>Lease Number:</b> G14581	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10586
<b>Well Name:</b> D001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9789
<b>API Well Number:</b> 177244074500	<b>Drilling Operator:</b> MILLENNIUM OFFSHORE GROUP INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3550 - 10586	<b>Water Depth:</b> 257
<b>Public Info Code:</b> Y 08-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 8822	DEF AT transported shelf fauna	DEF AT 5
9748 / 9062	POS AT unconformity	DEF AT 5
9749 / 9063	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
9750 / 9064	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10586 / 9789	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 226	Date of Summary: 01-JAN-1999	First Sample Examined: 4200
Lease Number: G06825	Source of Paleo: OPERATOR	Borehole MD: 14949
Well Name: A004	Paleo Done By: PALEO SOURCE	Borehole TVD: 9356
API Well Number: 177244082700	Drilling Operator: NIPPON OIL EXPLORATION GULF	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 4200 - 14949	Water Depth: 172
Public Info Code: Y 20-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 8730=below strong scour surface, 11520=upwelling with cold-water fauna, 12840=rare Gyroidina scalata, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 3502	DEF AT first sample examined	POS IN 3
4350 / 3578	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
5880 / 4353	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
7320 / 5114	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
7980 / 5475	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8729 / 5900	POS AT unconformity	DEF AT 5
8730 / 5901	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
10170 / 6728	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
10980 / 7135	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
11520 / 7415	DEF AT local marker foram increase	DEF AT 5
11730 / 7525	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
12840 / 8101	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
13020 / 8198	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
13080 / 8230	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
13530 / 8490	DEF AT transported shelf fauna	DEF AT 5
14250 / 8927	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14610 / 9144	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14949 / 9357	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 226	Date of Summary: 12-JUL-1999	First Sample Examined: 0
Lease Number: G06825	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13195
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 9500
API Well Number: 177244083700	Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 172
Public Info Code: Y 19-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 5246	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9906 / 7346	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10616 / 7800	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12059 / 8792	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12599 / 9122	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 226	Date of Summary: 30-MAR-1999	First Sample Examined: 3550
Lease Number: G16508	Source of Paleo: OPERATOR	Borehole MD: 10000
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 10000
API Well Number: 177244078300	Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 3550 - 9990	Water Depth: 172
Public Info Code: Y 15-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3550 / 3550	DEF AT first sample examined	DEF IN 3
3551 / 3551	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
5140 / 5140	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
5800 / 5800	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
7210 / 7210	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
7750 / 7750	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
7900 / 7900	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
8550 / 8549	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
8910 / 8909	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
9810 / 9809	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
9870 / 9869	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
9930 / 9929	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
9990 / 9989	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 226	Date of Summary: 21-MAR-1999	First Sample Examined: 4000
Lease Number: G16508	Source of Paleo: OPERATOR	Borehole MD: 11833
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 10220
API Well Number: 177244078600	Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 4000 - 11834	Water Depth: 172
Public Info Code: Y 25-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3644	DEF AT first sample examined	DEF IN 3
4001 / 3645	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
4840 / 4329	POS AT local marker foram increase	DEF IN 3
6010 / 5286	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
6790 / 5945	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
7719 / 6720	DEF AT limestone	DEF AT 5
7720 / 6720	DEF AT - - - - -	DEF AT 5
7721 / 6721	DEF AT limestone	DEF AT 5
8320 / 7230	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
9100 / 7899	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10300 / 8932	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11050 / 9557	DEF AT gray shale	DEF AT 5
11319 / 9782	DEF AT limestone	DEF AT 6
11320 / 9783	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
11380 / 9834	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11384 / 9837	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 226	Date of Summary: 12-FEB-1999	First Sample Examined: 0
Lease Number: G16508	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10235
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 9400
API Well Number: 177244082600	Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED	Rkb Elevation: 138
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 172
Public Info Code: Y 28-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7385 / 6882	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8258 / 7649	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9480 / 8721	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
9904 / 9100	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 226	Date of Summary: 09-APR-1999	First Sample Examined: 13010
Lease Number: G16508	Source of Paleo: OPERATOR	Borehole MD: 16002
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9728
API Well Number: 177244083100	Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 13010 - 16002	Water Depth: 172
Public Info Code: Y 22-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13010 / 7844	DEF AT first sample examined	DEF AT 4
13700 / 8270	DEF AT - - - - -	DEF AT 5
13970 / 8421	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14720 / 8845	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
14810 / 8905	DEF AT - - - - -	POS AT 6
15170 / 9146	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
16002 / 9728	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 233	<b>Date of Summary:</b> 09-MAR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16509	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13800
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12868
<b>API Well Number:</b> 177244086400	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 186
<b>Public Info Code:</b> Y 31-AUG-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6175 / 5738	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7320 / 6741	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9570 / 8748	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11130 /10209	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11131 /10210	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
11430 /10505	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
13440 /12504	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 234	<b>Date of Summary:</b> 15-APR-2004	<b>First Sample Examined:</b> 11400
<b>Lease Number:</b> G22807	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14659
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14656
<b>API Well Number:</b> 177244090700	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11400 - 14650	<b>Water Depth:</b> 187
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11400	DEF AT first sample examined	DEF AT 6
11401 /11401	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12270 /12269	DEF AT - - - - -	DEF AT 5
12780 /12779	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
14070 /14069	DEF AT - - - - -	DEF AT 6
14190 /14188	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14400 /14398	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
14490 /14488	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
14550 /14548	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
14650 /14647	DEF AT last sample examined	DEF AT 6



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 234	Date of Summary: 15-APR-2004	First Sample Examined: 11400
Lease Number: G22807	Source of Paleo: OPERATOR	Borehole MD: 14659
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14656
API Well Number: 177244090700	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 11400 - 14650	Water Depth: 187
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11400	DEF AT first sample examined	DEF AT
11940 /11939	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14205 /14203	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14340 /14338	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14400 /14398	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14490 /14488	DEF AT local marker floral increase	DEF AT
14549 /14547	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
14550 /14548	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14650 /14647	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 242  
 Lease Number: G18114  
 Well Name: A001  
 API Well Number: 177244080800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 24-FEB-2006

Date of Summary: 19-DEC-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: EP ENERGY MANAGEMENT LLC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12102  
 Borehole TVD: 12102  
 Rkb Elevation: 82  
 Water Depth: 196  
 Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4347 / 4347	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
5427 / 5426	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5915 / 5914	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
7090 / 7089	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
10176 / 10175	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 242	<b>Date of Summary:</b> 29-AUG-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G18114	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13520
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12312
<b>API Well Number:</b> 177244086200	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 137
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 196
<b>Public Info Code:</b> Y 24-FEB-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7680 / 7480	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8395 / 8071	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12280 / 11273	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 242	Date of Summary: 14-JUL-2000	First Sample Examined: 0
Lease Number: G19864	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10669
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 4285
API Well Number: 177244086000	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 196
Public Info Code: Y 26-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1862 / 1680	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
4859 / 2654	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 247	Date of Summary: 21-FEB-1997	First Sample Examined: 3950
Lease Number: G16513	Source of Paleo: OPERATOR	Borehole MD: 13600
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 12405
API Well Number: 177244076600	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 3950 - 13580	Water Depth: 270
Public Info Code: Y 31-JUL-2001	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3950 / 3891	DEF AT first sample examined	DEF AT 3
4070 / 3997	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
4310 / 4207	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
4909 / 4735	DEF AT Cyclammina sp. (local marker)	DEF AT 4
4910 / 4736	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
5450 / 5216	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
6770 / 6386	POS AT deepwater facies Listerella fauna	DEF AT 5
8180 / 7660	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 6
9800 / 9069	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10400 / 9595	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11540 /10577	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
11660 /10682	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
13460 /12278	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
13580 /12387	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 250	Date of Summary: 25-APR-1997	First Sample Examined: 0
Lease Number: G15387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12037
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 11339
API Well Number: 177244077100	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 317
Public Info Code: Y 19-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5590 / 5589	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
7880 / 7857	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
9170 / 8987	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
10690 /10241	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 250	Date of Summary: 18-JUN-1999	First Sample Examined: 0
Lease Number: G15387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12037
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 11339
API Well Number: 177244077100	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 105
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 317
Public Info Code: Y 19-APR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3387 / 3387	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
6979 / 6978	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
7406 / 7401	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
9675 / 9400	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 250	<b>Date of Summary:</b> 14-MAY-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15387	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11915
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10117
<b>API Well Number:</b> 177244083201	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 126
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 319
<b>Public Info Code:</b> Y 16-MAY-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4179 / 3738	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
8237 / 7108	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8693 / 7481	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
10917 / 9311	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 255	Date of Summary: 27-JUL-1990	First Sample Examined: 0
Lease Number: G07825	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9607
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8470
API Well Number: 177244047701	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 341
Public Info Code: Y 02-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2520 / 2520	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6060 / 5664	POS AT Miocene	DEF AT
8610 / 7690	POS AT Lower (Early) Miocene	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 255	Date of Summary: 21-JAN-1995	First Sample Examined: 0
Lease Number: G07825	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11108
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8511
API Well Number: 177244049700	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 341
Public Info Code: Y 26-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8470 / 6479	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10870 / 8304	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 256	Date of Summary: 23-FEB-1999	First Sample Examined: 0
Lease Number: G15388	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11889
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8598
API Well Number: 177244080000	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 345
Public Info Code: Y 10-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10858 / 7949	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 256	Date of Summary: 04-MAR-1999	First Sample Examined: 0
Lease Number: G15388	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13279
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8600
API Well Number: 177244080500	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 348
Public Info Code: Y 10-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12215 / 7978	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 257	Date of Summary: 12-APR-1997	First Sample Examined: 3640
Lease Number: G15388	Source of Paleo: OPERATOR	Borehole MD: 11530
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9854
API Well Number: 177244077401	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 3640 - 11530	Water Depth: 347
Public Info Code: Y 10-APR-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3640 / 3640	DEF AT first sample examined	DEF AT 5
3641 / 3641	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
3760 / 3760	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
4420 / 4405	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
4810 / 4769	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
4900 / 4849	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
4960 / 4902	DEF AT -----	DEF IN 5
5770 / 5555	DEF AT -----	DEF AT 6
5980 / 5711	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
6460 / 6067	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 6
7150 / 6602	DEF AT -----	DEF AT 5
7900 / 7166	DEF AT -----	DEF IN 5
8950 / 7944	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
10540 / 9085	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
10570 / 9108	DEF AT -----	DEF AT 6
10660 / 9177	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11530 / 9854	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 257	Date of Summary: 11-APR-1997	First Sample Examined: 3570
Lease Number: G15389	Source of Paleo: OPERATOR	Borehole MD: 10483
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9774
API Well Number: 177244077400	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 3570 - 10476	Water Depth: 347
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3570 / 3570	DEF AT first sample examined	DEF AT 5
3600 / 3600	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
3900 / 3900	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
4410 / 4400	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
4860 / 4819	DEF AT faunal change (no faunal increase)	DEF IN 5
4920 / 4874	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
5100 / 5033	DEF AT faunal change (no faunal increase)	DEF AT 6
5970 / 5798	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
6480 / 6243	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 6
7200 / 6873	DEF AT faunal change (no faunal increase)	DEF AT 5
7770 / 7361	DEF AT faunal change (no faunal increase)	DEF IN 5
8250 / 7783	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
9480 / 8872	DEF AT faunal change (no faunal increase)	DEF AT 6
9540 / 8925	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
9660 / 9031	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
9750 / 9111	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
9810 / 9165	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
10476 / 9767	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 259	Date of Summary: 06-DEC-1990	First Sample Examined: 0
Lease Number: G07827	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11556
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10504
API Well Number: 177244050000	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 339
Public Info Code: Y 07-NOV-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5940 / 5411	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9660 / 8678	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10650 / 9619	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 259	Date of Summary: 10-DEC-1990	First Sample Examined: 0
Lease Number: G07827	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12292
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 10340
API Well Number: 177244050500	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 339
Public Info Code: Y 14-DEC-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8990 / 7611	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11600 / 9722	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 259	Date of Summary: 23-FEB-1995	First Sample Examined: 0
Lease Number: G07827	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13821
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11500
API Well Number: 177244069700	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 392
Public Info Code: Y 20-DEC-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9890 / 8203	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
11720 / 9681	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12810 /10627	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
12960 /10758	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 259  
Lease Number: G07827  
Well Name: A002  
API Well Number: 177244070200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 27-MAR-2005

Date of Summary: 13-MAY-1997  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: SOCO OFFSHORE INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 13780  
Borehole TVD: 11601  
Rkb Elevation: 126  
Water Depth: 392  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 / 8407	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
11790 / 9896	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12810 /10773	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
12840 /10799	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 259	Date of Summary: 11-APR-1997	First Sample Examined: 0
Lease Number: G07828	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15323
Well Name: A012	Paleo Done By: OPERATOR	Borehole TVD: 11801
API Well Number: 177244076800	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 392
Public Info Code: Y 28-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13310 /10188	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14956 /11505	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 259	<b>Date of Summary:</b> 13-FEB-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13034	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15737
<b>Well Name:</b> A010	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11811
<b>API Well Number:</b> 177244074600	<b>Drilling Operator:</b> SOCO OFFSHORE INC	<b>Rkb Elevation:</b> 126
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 392
<b>Public Info Code:</b> Y 07-MAR-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13326 / 9862	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14936 /11148	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 260	Date of Summary: 27-MAY-1998	First Sample Examined: 0
Lease Number: G07828	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12398
API Well Number: 177244081400	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 315
Public Info Code: Y 02-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8206 / 8205	DEF AT limestone	DEF AT
8896 / 8895	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9806 / 9805	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11546 / 11545	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 261	Date of Summary: 18-MAY-1996	First Sample Examined: 4030
Lease Number: G13035	Source of Paleo: OPERATOR	Borehole MD: 14088
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 14074
API Well Number: 177244074100	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 102
Paleo Report Num: 1 of 2	Sample Range: 4030 - 10840	Water Depth: 287
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4030 / 4030	DEF AT first sample examined	DEF AT 3
4031 / 4031	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
5139 / 5139	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
5140 / 5140	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
5350 / 5350	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
5920 / 5920	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
6820 / 6813	POS AT unconformity	DEF AT 4
7030 / 7022	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
7720 / 7711	DEF AT local marker foram increase	DEF AT 4
8230 / 8221	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9040 / 9031	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
9700 / 9691	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
10720 /10710	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
10840 /10830	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 261	Date of Summary: 20-NOV-1996	First Sample Examined: 5920
Lease Number: G13035	Source of Paleo: OPERATOR	Borehole MD: 14088
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 14074
API Well Number: 177244074100	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 102
Paleo Report Num: 2 of 2	Sample Range: 5720 - 14088	Water Depth: 287
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5720 / 5720	DEF AT first sample examined	POS AT 4
5960 / 5960	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
6229 / 6228	POS AT unconformity	DEF AT 4
6230 / 6229	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
6890 / 6882	POS AT unconformity	DEF AT 4
6950 / 6942	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
7190 / 7181	DEF AT local marker deep water fauna	DEF AT 4
7340 / 7331	POS AT unconformity	DEF AT 4
7910 / 7901	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
8270 / 8261	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
8990 / 8981	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
9889 / 9880	POS AT unconformity	DEF IN 5
9890 / 9881	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
10490 /10480	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
10640 /10630	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
11810 /11800	DEF AT local marker foram increase	DEF AT 6
12410 /12400	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
13070 /13059	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
13370 /13359	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
13519 /13508	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 6
13520 /13509	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 6
13790 /13777	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 261  
 Lease Number: G13035  
 Well Name: A001  
 API Well Number: 177244074100  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 27-FEB-2006

Date of Summary: 20-NOV-1996  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO SOURCE  
 Drilling Operator: SOCO OFFSHORE INC  
 Sample Range: 5720 - 14088  
 Ecozone Eq MMS: Y

First Sample Examined: 5920  
 Borehole MD: 14088  
 Borehole TVD: 14074  
 Rkb Elevation: 102  
 Water Depth: 287  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13880 /13867	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 6
13969 /13956	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
13970 /13957	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 6
14088 /14074	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 261	Date of Summary: 05-JAN-1998	First Sample Examined: 0
Lease Number: G13035	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15010
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13598
API Well Number: 177244075000	Drilling Operator: MERIT ENERGY COMPANY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 287
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10905 / 9996	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12476 /11386	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 261	Date of Summary: 10-JUN-1998	First Sample Examined: 0
Lease Number: G13035	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12970
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 12006
API Well Number: 177244081900	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 281
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6560 / 6559	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8993 / 8992	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
10174 /10038	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11485 /10997	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 263	Date of Summary: 01-APR-2003	First Sample Examined: 9720
Lease Number: G23992	Source of Paleo: OPERATOR	Borehole MD: 13355
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 13200
API Well Number: 177244089600	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 9720 - 13355	Water Depth: 280
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, 11640=multiple scours and redeposited sediment dominate samples from this to 11730, with some chance that Discoaster sanmiguelensis is reworked or redeposited, 11730 consists of a middle bathyal upwelling fauna (pre-lowstand), foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9720 / 9713	DEF AT first sample examined	DEF IN 4
9750 / 9742	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
9780 / 9771	DEF AT reworked material	DEF IN 4
9840 / 9829	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 4
9900 / 9886	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
10350 /10309	DEF AT - - - - -	DEF AT 5
10680 /10617	DEF AT local marker foram decrease	DEF AT 5
11310 /11215	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
11640 /11533	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 4
11730 /11619	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
13280 /13127	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
13355 /13201	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 264	Date of Summary: 01-AUG-1999	First Sample Examined: 4560
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13500
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13484
API Well Number: 177244084200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4545 - 13500	Water Depth: 238
Public Info Code: Y 29-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4560 / 4560	DEF AT first sample examined	DEF AT 2
4561 / 4561	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 2
4619 / 4619	DEF AT pyrite	DEF AT 2
4621 / 4621	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
4800 / 4800	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
4890 / 4890	DEF AT local marker foram increase	DEF AT 2
4920 / 4920	DEF AT pyrite	DEF AT 2
4980 / 4980	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 2
5040 / 5040	DEF AT pyrite	DEF AT 2
5130 / 5130	DEF AT - - - - -	POS AT 2
5190 / 5190	DEF AT Upper Miocene (Messinian) Textularia "X"	POS AT 2
5310 / 5310	DEF AT pyrite	POS AT 2
5519 / 5519	DEF AT sand	DEF AT 3
5520 / 5520	POS AT Miocene	DEF AT 3
5521 / 5521	DEF AT local marker foram increase	DEF AT 3
5580 / 5580	DEF AT local marker foram increase	DEF AT 3
5640 / 5640	DEF AT - - - - -	DEF IN 2
5700 / 5700	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 2
5940 / 5940	DEF AT pyrite	DEF IN 2
6000 / 6000	DEF AT - - - - -	POS AT 2
6180 / 6180	DEF AT - - - - -	POS IN 1
6300 / 6300	DEF AT pyrite	POS IN 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 264  
Lease Number: G14585  
Well Name: A001  
API Well Number: 177244084200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 29-OCT-2009

Date of Summary: 01-AUG-1999  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 4545 - 13500  
Ecozone Eq MMS: Y

First Sample Examined: 4560  
Borehole MD: 13500  
Borehole TVD: 13484  
Rkb Elevation: 111  
Water Depth: 238  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6330 / 6330	DEF AT -----	DEF IN 2
6360 / 6360	DEF AT Arenaceous fauna (local marker)	DEF IN 2
6480 / 6480	DEF AT -----	DEF IN 3
6510 / 6510	DEF AT Arenaceous fauna (local marker)	DEF IN 3
6660 / 6660	DEF AT -----	POS AT 3
7110 / 7110	DEF AT Arenaceous fauna (local marker)	DEF AT 4
7111 / 7111	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
7170 / 7170	DEF AT Eggerella sp. (local marker)	DEF AT 4
7230 / 7230	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
7260 / 7260	DEF AT pyrite	DEF AT 4
7320 / 7320	DEF AT -----	POS AT 4
7350 / 7350	DEF AT pyrite	POS AT 4
7410 / 7410	DEF AT Eggerella sp. (local marker)	DEF AT 3
7470 / 7469	DEF AT pyrite	DEF AT 3
7590 / 7589	DEF AT pyrite	DEF IN 3
7680 / 7679	DEF AT Eggerella sp. (local marker)	DEF IN 3
7770 / 7769	DEF AT cement	POS IN 3
7860 / 7859	DEF AT Eggerella sp. (local marker)	DEF AT 3
8160 / 8159	DEF AT -----	DEF IN 3
8220 / 8219	DEF AT limestone	DEF IN 3
8400 / 8398	DEF AT Eggerella sp. (local marker)	DEF IN 3
8490 / 8488	DEF AT pyrite	DEF IN 3
8520 / 8518	DEF AT -----	DEF AT 4
8550 / 8548	DEF AT Eggerella sp. (local marker)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 264	Date of Summary: 01-AUG-1999	First Sample Examined: 4560
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13500
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13484
API Well Number: 177244084200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4545 - 13500	Water Depth: 238
Public Info Code: Y 29-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8670 / 8668	DEF AT Arenaceous fauna (local marker)	DEF AT 4
8729 / 8727	DEF AT pyrite	DEF AT 5
8730 / 8728	DEF AT Arenaceous fauna (local marker)	DEF AT 5
8820 / 8818	DEF AT local marker planktic foram increase	DEF AT 4
8850 / 8848	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
8851 / 8849	DEF AT Eggerella sp. (local marker)	DEF AT 4
8970 / 8968	DEF AT local marker planktic foram increase	DEF AT 4
8999 / 8997	DEF AT pyrite	DEF AT 4
9000 / 8998	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
9119 / 9117	DEF AT pyrite	DEF AT 4
9120 / 9118	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9180 / 9178	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
9300 / 9298	DEF AT pyrite	DEF AT 5
9450 / 9448	DEF AT Arenaceous fauna (local marker)	DEF AT 5
9570 / 9568	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9630 / 9628	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9720 / 9718	DEF AT Arenaceous fauna (local marker)	DEF AT 5
9840 / 9838	DEF AT pyrite	DEF AT 5
9870 / 9868	DEF AT local marker foram increase	DEF AT 5
9960 / 9958	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10380 /10378	DEF AT -----	DEF AT 4
10500 /10498	DEF AT -----	DEF AT 5
10800 /10798	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10860 /10858	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 264	Date of Summary: 01-AUG-1999	First Sample Examined: 4560
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13500
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13484
API Well Number: 177244084200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4545 - 13500	Water Depth: 238
Public Info Code: Y 29-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 /11008	DEF AT cement	DEF AT 4
11070 /11068	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11130 /11128	DEF AT local marker planktic foram increase	DEF AT 4
11190 /11188	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
11220 /11218	DEF AT local marker planktic foram increase	DEF AT 5
11520 /11517	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
11640 /11637	POS AT ash	DEF AT 5
11790 /11787	DEF AT - - - - -	DEF AT 4
12840 /12833	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
12870 /12863	DEF AT local marker foram increase	DEF AT 5
12990 /12982	DEF AT local marker foram increase	DEF AT 5
13020 /13012	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
13050 /13041	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
13260 /13248	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13320 /13307	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13380 /13366	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
13470 /13454	DEF AT local marker planktic foram increase	DEF AT 5
13500 /13484	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 264	Date of Summary: 01-JAN-2000	First Sample Examined: 9000
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13903
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13201
API Well Number: 177244084800	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 9000 - 13890	Water Depth: 238
Public Info Code: Y 03-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8983	DEF AT first sample examined	DEF IN 3
9001 / 8984	DEF AT pyrite	DEF IN 3
9120 / 9098	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
9180 / 9155	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF IN 3
9240 / 9211	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9300 / 9266	DEF AT pyrite	DEF AT 4
9359 / 9321	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
9360 / 9322	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
9510 / 9458	DEF AT pyrite	DEF AT 4
9540 / 9485	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9720 / 9644	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9749 / 9670	DEF AT pyrite	DEF AT 4
9750 / 9671	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9870 / 9773	DEF AT local marker foram increase	DEF AT 4
9899 / 9798	DEF AT pyrite	DEF IN 4
9900 / 9799	DEF AT Arenaceous fauna (local marker)	DEF AT 5
9960 / 9849	DEF AT Cyclamina cancellata (local marker)	DEF AT 5
10020 / 9900	DEF AT local marker deep water fauna	DEF AT 5
10080 / 9950	POS AT local marker (general)	POS AT 5
10440 / 10253	DEF AT drilling material	POS AT 5
10680 / 10456	DEF AT - - - - -	POS IN 3
10980 / 10713	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 264  
Lease Number: G14585  
Well Name: A002  
API Well Number: 177244084800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 03-FEB-2010

Date of Summary: 01-JAN-2000  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 9000 - 13890  
Ecozone Eq MMS: Y

First Sample Examined: 9000  
Borehole MD: 13903  
Borehole TVD: 13201  
Rkb Elevation: 106  
Water Depth: 238  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11100 /10816	DEF AT reworked material	POS IN 3
11160 /10867	DEF AT -----	DEF AT 3
11220 /10918	POS AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
11260 /10953	DEF AT -----	POS AT 4
11400 /11073	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
11430 /11099	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	POS AT 5
11460 /11125	DEF AT -----	POS AT 4
12660 /12154	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
13050 /12482	DEF AT drilling material	DEF IN 3
13080 /12507	DEF AT -----	DEF AT 3
13290 /12684	DEF AT -----	POS AT 4
13410 /12785	DEF AT local marker foram increase	DEF AT 5
13470 /12836	DEF AT local marker planktic foram increase	DEF AT 5
13499 /12860	DEF AT pyrite	DEF AT 5
13500 /12861	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13620 /12962	DEF AT local marker (general)	DEF AT 5
13710 /13038	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13799 /13113	DEF AT pyrite	DEF AT 5
13800 /13114	DEF AT foram flood	DEF AT 5
13801 /13114	DEF AT Arenaceous fauna (local marker)	DEF AT 5
13860 /13164	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
13890 /13189	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 264  
 Lease Number: G14585  
 Well Name: A003  
 API Well Number: 177244087801  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 12-JUN-2011

Date of Summary: 21-NOV-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13800  
 Borehole TVD: 12770  
 Rkb Elevation: 121  
 Water Depth: 235  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10240 / 9663	DEF AT Upper Miocene (Tortonian) <i>Uvigerina</i> 3	DEF AT
11760 /10985	DEF AT Middle Miocene (Serravallian) <i>Bigenerina humblei</i>	DEF AT
13760 /12734	DEF AT Middle Miocene (Serravallian) <i>Cibicides opima</i>	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 265	Date of Summary: 09-AUG-2001	First Sample Examined: 0
Lease Number: G19863	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14139
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12955
API Well Number: 177244087600	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 206
Public Info Code: Y 11-MAY-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12828 /11793	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-MAY-2000	First Sample Examined: 4694
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12046
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12039
API Well Number: 177244085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4694 - 12044	Water Depth: 229
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4694 / 4694	DEF AT first sample examined	DEF IN 2
4695 / 4695	DEF AT limestone	DEF IN 2
4910 / 4910	DEF AT -----	DEF AT 1
5030 / 5030	DEF AT pyrite	DEF AT 1
5149 / 5149	POS AT unconformity	DEF AT 2
5150 / 5150	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
5180 / 5180	DEF AT pyrite	DEF AT 2
5209 / 5209	DEF AT pyrite	DEF AT 2
5210 / 5210	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
5240 / 5240	DEF AT -----	DEF IN 1
5300 / 5300	DEF AT pyrite	DEF IN 1
5420 / 5420	DEF AT -----	DEF AT 1
5540 / 5540	DEF AT -----	DEF IN 1
5660 / 5660	DEF AT -----	DEF AT 2
5780 / 5780	DEF AT -----	DEF IN 1
5960 / 5960	DEF AT pyrite	DEF IN 1
6050 / 6050	DEF AT Cyclammina sp. (local marker)	DEF IN 1
6110 / 6110	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 2
6290 / 6290	DEF AT -----	DEF IN 1
6650 / 6650	DEF AT cement	POS AT 1
6679 / 6679	POS AT unconformity	DEF IN 3
6680 / 6680	DEF AT Arenaceous fauna (local marker)	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-MAY-2000	First Sample Examined: 4694
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12046
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12039
API Well Number: 177244085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4694 - 12044	Water Depth: 229
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6681 / 6681	DEF AT Eggerella 3 (local marker)	DEF IN 3
6770 / 6770	DEF AT -----	DEF AT 3
6830 / 6830	DEF AT -----	DEF IN 2
6979 / 6979	DEF AT pyrite	DEF IN 2
6980 / 6980	DEF AT Arenaceous fauna (local marker)	DEF IN 2
7160 / 7160	DEF AT -----	DEF AT 3
7189 / 7189	DEF AT pyrite	DEF AT 3
7190 / 7190	DEF AT Arenaceous fauna (local marker)	DEF AT 3
7250 / 7250	DEF AT Eggerella sp. (local marker)	DEF AT 3
7370 / 7370	DEF AT -----	DEF AT 0
7489 / 7489	DEF AT pyrite	DEF IN 3
7490 / 7490	DEF AT Eggerella 3 (local marker)	DEF IN 3
7640 / 7640	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 3
7760 / 7760	DEF AT -----	DEF AT 3
8120 / 8120	DEF AT pyrite	DEF AT 3
8160 / 8160	DEF AT cement	DEF AT 3
8210 / 8210	DEF AT pyrite	DEF AT 3
8240 / 8240	DEF AT Eggerella sp. (local marker)	DEF AT 3
8420 / 8420	DEF AT limestone	DEF AT 3
8479 / 8478	DEF AT pyrite	POS AT 4
8480 / 8479	DEF AT local marker foram increase	POS AT 4
8510 / 8509	DEF AT Upper Miocene (Tortonian) Cyclammina 3	POS AT 4
8570 / 8569	DEF AT Cyclammina cancellata (local marker)	POS AT 4
8600 / 8599	DEF AT Eggerella sp. (local marker)	POS AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-MAY-2000	First Sample Examined: 4694
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12046
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12039
API Well Number: 177244085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4694 - 12044	Water Depth: 229
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8630 / 8629	DEF AT pyrite	POS AT 4
8660 / 8659	DEF AT -----	DEF IN 3
8750 / 8749	DEF AT -----	DEF AT 3
8809 / 8808	DEF AT pyrite	DEF AT 3
8810 / 8809	DEF AT local marker foram decrease	DEF AT 3
8840 / 8839	DEF AT Eggerella sp. (local marker)	DEF AT 3
8930 / 8929	DEF AT Eggerella sp. (local marker)	DEF IN 3
8990 / 8989	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3
9020 / 9019	DEF AT Eggerella sp. (local marker)	DEF IN 3
9170 / 9169	DEF AT local marker planktic foram increase	DEF IN 3
9230 / 9229	DEF AT pyrite	DEF AT 4
9259 / 9258	POS AT reworked material	DEF AT 4
9260 / 9259	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
9410 / 9408	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9440 / 9438	DEF AT pyrite	DEF AT 4
9470 / 9468	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9530 / 9528	DEF AT pyrite	DEF AT 4
9590 / 9588	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9830 / 9828	DEF AT -----	DEF IN 3
9920 / 9918	DEF AT Eggerella sp. (local marker)	DEF AT 4
10010 /10008	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10040 /10038	DEF AT local marker foram increase	DEF IN 3
10070 /10067	DEF AT -----	DEF AT 4
10160 /10157	DEF AT -----	DEF IN 3

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-MAY-2000	First Sample Examined: 4694
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12046
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12039
API Well Number: 177244085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4694 - 12044	Water Depth: 229
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10190 /10187	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
10249 /10246	POS AT unconformity	DEF AT 5
10250 /10247	DEF AT pyrite	DEF AT 5
10310 /10307	DEF AT pyrite	DEF AT 5
10370 /10367	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10430 /10427	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
10520 /10516	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10580 /10576	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
10879 /10875	DEF AT pyrite	DEF AT 4
10880 /10876	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11420 /11415	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
11510 /11504	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
11540 /11534	DEF AT local marker planktic foram increase	DEF AT 5
11569 /11563	DEF AT pyrite	DEF AT 5
11570 /11564	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11660 /11654	DEF AT pyrite	DEF AT 5
11690 /11684	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 5
11719 /11713	DEF AT Eggerella sp. (local marker)	DEF AT 5
11720 /11714	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
11750 /11744	DEF AT Cyclammia cancellata (local marker)	DEF AT 5
11870 /11864	DEF AT Eggerella sp. (local marker)	DEF AT 5
12043 /12036	DEF AT -----	DEF AT 5
12044 /12037	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-JUN-2000	First Sample Examined: 7970
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11634
API Well Number: 177244085701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7970 - 12950	Water Depth: 229
Public Info Code: Y 20-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7970 / 7970	DEF AT first sample examined	DEF AT 3
7971 / 7971	DEF IN Upper Miocene (Tortonian) Reophax davepopei	DEF AT 3
8000 / 8000	DEF AT Eggerella sp. (local marker)	DEF AT 3
8120 / 8119	DEF AT pyrite	POS AT 3
8180 / 8179	DEF AT pyrite	DEF AT 3
8330 / 8327	DEF AT Eggerella sp. (local marker)	DEF AT 3
8390 / 8386	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
8450 / 8444	DEF AT limestone	DEF AT 3
8570 / 8559	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
8600 / 8588	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
8660 / 8644	DEF AT pyrite	DEF AT 4
8720 / 8700	DEF AT -----	DEF IN 3
8840 / 8810	DEF AT -----	DEF AT 3
8960 / 8917	DEF AT pyrite	DEF IN 3
9020 / 8969	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
9049 / 8993	DEF AT pyrite	DEF AT 4
9050 / 8994	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9200 / 9119	DEF AT local marker planktic foram increase	DEF AT 4
9260 / 9168	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9290 / 9191	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9320 / 9214	DEF AT Eggerella sp. (local marker)	DEF AT 4
9469 / 9326	POS AT reworked material	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-JUN-2000	First Sample Examined: 7970
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11634
API Well Number: 177244085701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7970 - 12950	Water Depth: 229
Public Info Code: Y 20-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9470 / 9327	DEF AT pyrite	DEF AT 4
9500 / 9349	DEF AT -----	DEF IN 3
9620 / 9433	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9710 / 9493	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9770 / 9531	DEF AT pyrite	DEF AT 4
9860 / 9586	DEF AT -----	DEF IN 3
9950 / 9640	DEF AT pyrite	DEF IN 3
10039 / 9693	DEF AT pyrite	DEF IN 3
10040 / 9694	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
10099 / 9729	DEF AT pyrite	DEF IN 3
10100 / 9730	DEF AT Eggerella 3 (local marker)	DEF IN 3
10160 / 9766	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10190 / 9784	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10310 / 9856	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
10370 / 9893	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10430 / 9929	DEF AT pyrite	DEF AT 4
10490 / 9966	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10550 /10002	DEF AT -----	DEF IN 3
10669 /10075	DEF AT pyrite	DEF IN 3
10670 /10076	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF IN 3
10730 /10112	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
10760 /10130	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10789 /10148	DEF AT pyrite	DEF AT 5
10790 /10148	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275  
 Lease Number: G15395  
 Well Name: A001  
 API Well Number: 177244085701  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 20-JUN-2010

Date of Summary: 01-JUN-2000  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 7970 - 12950  
 Ecozone Eq MMS: Y

First Sample Examined: 7970  
 Borehole MD: 12930  
 Borehole TVD: 11634  
 Rkb Elevation: 101  
 Water Depth: 229  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10820 /10167	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
10940 /10240	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10970 /10258	DEF AT local marker foram increase	DEF AT 5
11030 /10295	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11150 /10368	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11270 /10441	DEF IN Upper Miocene (Tortonian) Textularia "G"	DEF AT 5
11330 /10478	DEF AT local marker foram increase	DEF AT 5
11390 /10515	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11480 /10570	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11481 /10571	DEF AT pyrite	DEF AT 5
11510 /10588	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11570 /10625	DEF AT Eggerella sp. (local marker)	DEF AT 5
11630 /10662	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11690 /10699	DEF AT Eggerella sp. (local marker)	DEF AT 5
11720 /10717	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11810 /10772	DEF AT - - - - -	DEF AT 5
11839 /10790	DEF AT pyrite	DEF AT 5
11840 /10791	DEF AT local marker planktic foram increase	DEF AT 5
11930 /10848	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11990 /10887	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12080 /10947	DEF AT pyrite	DEF AT 4
12140 /10989	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12220 /11047	DEF AT - - - - -	POS AT 5
12260 /11078	DEF AT Cyclammina cancellata (local marker)	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-JUN-2000	First Sample Examined: 7970
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11634
API Well Number: 177244085701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7970 - 12950	Water Depth: 229
Public Info Code: Y 20-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12350 /11150	DEF AT pyrite	POS AT 5
12440 /11224	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12500 /11273	DEF AT local marker foram increase	DEF AT 4
12860 /11575	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12930 /11634	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-JUL-2000	First Sample Examined: 8340
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 14521
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13764
API Well Number: 177244086100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8340 - 14521	Water Depth: 229
Public Info Code: Y 12-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8340 / 8142	DEF AT first sample examined	POS AT 3
8341 / 8143	DEF AT cement	POS AT 3
8400 / 8202	DEF AT - - - - -	DEF AT 3
8760 / 8562	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
8788 / 8590	DEF AT pyrite	DEF AT 3
8789 / 8591	POS AT unconformity	DEF AT 3
8790 / 8592	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
8791 / 8593	DEF AT Eggerella sp. (local marker)	DEF AT 3
8820 / 8622	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
8850 / 8652	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
8970 / 8772	DEF AT - - - - -	DEF IN 3
9030 / 8832	DEF AT pyrite	DEF IN 3
9150 / 8952	DEF AT pyrite	DEF IN 3
9180 / 8982	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9210 / 9012	DEF AT Eggerella sp. (local marker)	DEF AT 4
9270 / 9072	DEF AT pyrite	DEF AT 4
9360 / 9161	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9420 / 9221	DEF AT Eggerella 3 (local marker)	DEF AT 4
9450 / 9251	DEF AT Eggerella sp. (local marker)	DEF AT 4
9540 / 9339	DEF AT - - - - -	DEF IN 3
9660 / 9457	DEF AT - - - - -	DEF AT 3
9809 / 9602	DEF AT limestone	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-JUL-2000	First Sample Examined: 8340
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 14521
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13764
API Well Number: 177244086100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8340 - 14521	Water Depth: 229
Public Info Code: Y 12-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9810 / 9603	DEF AT local marker foram increase	DEF IN 3
9870 / 9661	DEF AT Eggerella sp. (local marker)	DEF IN 3
9930 / 9719	DEF AT pyrite	DEF IN 3
10020 / 9805	DEF AT local marker foram increase	DEF IN 3
10080 / 9862	DEF AT - - - - -	DEF AT 4
10110 / 9890	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
10230 /10001	DEF AT - - - - -	DEF IN 3
10260 /10028	DEF AT pyrite	DEF IN 3
10320 /10083	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10349 /10109	DEF AT pyrite	DEF AT 4
10350 /10110	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10409 /10163	DEF AT pyrite	DEF AT 4
10410 /10164	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10529 /10268	DEF AT pyrite	DEF AT 5
10530 /10269	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
10531 /10269	DEF AT local marker planktic foram increase	DEF AT 5
10560 /10294	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
10619 /10345	DEF AT reworked material	DEF AT 5
10620 /10346	DEF AT local marker planktic foram increase	DEF AT 5
10650 /10371	DEF AT reworked material	DEF AT 5
10740 /10448	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
10770 /10473	POS IN Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
10830 /10523	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
10890 /10571	DEF AT Eggerella sp. (local marker)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-JUL-2000	First Sample Examined: 8340
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 14521
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13764
API Well Number: 177244086100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8340 - 14521	Water Depth: 229
Public Info Code: Y 12-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11160 /10781	DEF AT drilling material	DEF AT 4
11220 /10824	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11880 /11290	DEF AT pyrite	DEF AT 4
11910 /11313	DEF AT Eggerella sp. (local marker)	DEF AT 4
11970 /11358	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
12060 /11429	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12239 /11578	DEF AT pyrite	DEF AT 5
12240 /11578	DEF AT Arenaceous fauna (local marker)	DEF AT 5
12270 /11604	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
12303 /11632	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12390 /11705	DEF AT cement	DEF AT 4
12550 /11844	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12578 /11868	DEF AT pyrite	DEF AT 4
12579 /11869	POS AT unconformity	DEF AT 4
12580 /11870	DEF AT local marker foram increase	DEF AT 4
12610 /11897	DEF AT local marker foram increase	DEF AT 4
12640 /11924	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12730 /12004	DEF AT pyrite	DEF AT 5
12790 /12059	DEF AT - - - - -	DEF AT 4
13419 /12663	DEF AT Eggerella sp. (local marker)	DEF AT 5
13420 /12664	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
13479 /12722	DEF AT local marker planktic foram increase	DEF AT 5
13480 /12723	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
13660 /12903	DEF AT - - - - -	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 275	Date of Summary: 01-JUL-2000	First Sample Examined: 8340
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 14521
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13764
API Well Number: 177244086100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8340 - 14521	Water Depth: 229
Public Info Code: Y 12-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13690 /12933	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
14050 /13293	DEF AT - - - - -	DEF IN 3
14500 /13743	DEF AT pyrite	DEF IN 3
14521 /13764	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 277	Date of Summary: 30-AUG-1999	First Sample Examined: 0
Lease Number: G14586	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9291
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7876
API Well Number: 177244084300	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 224
Public Info Code: Y 30-AUG-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8060 / 6888	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 277	Date of Summary: 27-SEP-1999	First Sample Examined: 0
Lease Number: G14586	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6898
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6417
API Well Number: 177244084301	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 224
Public Info Code: Y 18-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1410 / 1410	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2310 / 2278	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5100 / 4654	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
5760 / 5300	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 277	Date of Summary: 22-JAN-2001	First Sample Examined: 0
Lease Number: G14586	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12580
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 10741
API Well Number: 177244087100	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 67
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 223
Public Info Code: Y 15-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5461 / 5416	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9525 / 8477	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11310 / 9804	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 279	<b>Date of Summary:</b> 21-JAN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16514	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15284
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13601
<b>API Well Number:</b> 177244079600	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 107
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 290
<b>Public Info Code:</b> Y 15-OCT-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
6920 / 6644	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10730 / 9665	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11180 /10011	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11870 /10544	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
13340 /11778	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 279	Date of Summary: 15-OCT-1997	First Sample Examined: 1000
Lease Number: G16516	Source of Paleo: OPERATOR	Borehole MD: 5400
Well Name: B001	Paleo Done By: PALEO SOURCE	Borehole TVD: 3600
API Well Number: 177244079300	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 1000 - 5400	Water Depth: 290
Public Info Code: Y 21-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1000 / 1000	DEF AT first sample examined	DEF AT 3
1001 / 1001	DEF AT reworked material	DEF AT 3
1630 / 1616	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
1780 / 1749	DEF AT faunal change (no faunal increase)	DEF IN 3
2080 / 1976	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3
2170 / 2034	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 3
2260 / 2086	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
3670 / 2719	DEF AT transported outer shelf facies	POS IN 3
3760 / 2761	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
4150 / 2944	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
5230 / 3506	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	POS AT 4
5380 / 3592	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 280	<b>Date of Summary:</b> 21-APR-1999	<b>First Sample Examined:</b> 5090
<b>Lease Number:</b> G16515	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11754
<b>Well Name:</b> C001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 11195
<b>API Well Number:</b> 177244081100	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5090 - 11740	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 03-APR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
5090 / 5090	DEF AT first sample examined	POS	AT	4
5420 / 5420	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF	AT	4
6460 / 6460	DEF AT Arenaceous fauna (local marker)	DEF	AT	4
6760 / 6760	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF	AT	4
7210 / 7210	DEF AT unconformity	DEF	AT	4
7330 / 7330	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	4
8920 / 8919	DEF AT unconformity	DEF	AT	5
9220 / 9213	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF	AT	5
9850 / 9790	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF	AT	5
10239 /10104	DEF AT reworked material	DEF	AT	5
10240 /10105	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
10720 /10462	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF	AT	5
11740 /11186	DEF AT last sample examined	DEF	AT	5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 280	Date of Summary: 26-MAY-1998	First Sample Examined: 4700
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15675
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13520
API Well Number: 177244081500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 4700 - 15651	Water Depth: 300
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT first sample examined	DEF AT
4760 / 4760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
5510 / 5497	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
7520 / 7162	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
8030 / 7557	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8060 / 7580	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
9380 / 8613	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10250 / 9319	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10820 / 9758	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11000 / 9899	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11180 /10041	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11750 /10482	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
13070 /11502	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
14810 /12855	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15590 /13453	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15651 /13501	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 280	Date of Summary: 26-MAY-1998	First Sample Examined: 4700
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15675
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13520
API Well Number: 177244081500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 4700 - 15651	Water Depth: 300
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT first sample examined	DEF AT 3
5510 / 5497	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
5630 / 5610	DEF AT - - - - -	DEF AT 4
5690 / 5666	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
7070 / 6812	DEF AT - - - - -	DEF AT 4
8240 / 7719	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
10249 / 9318	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
10250 / 9319	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
10280 / 9342	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 4
10820 / 9758	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
11240 /10088	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11689 /10434	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11690 /10435	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
11780 /10505	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11840 /10552	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 5
11960 /10647	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
12050 /10717	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
12200 /10832	DEF AT Eggerella sp. (local marker)	DEF AT 4
12230 /10855	DEF AT local marker foram decrease	DEF AT 4
12770 /11269	DEF AT Eggerella sp. (local marker)	DEF AT 4
13100 /11525	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14839 /12877	DEF AT Cyclamina cancellata (local marker)	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 280	<b>Date of Summary:</b> 26-MAY-1998	<b>First Sample Examined:</b> 4700
<b>Lease Number:</b> G16515	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15675
<b>Well Name:</b> C002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13520
<b>API Well Number:</b> 177244081500	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4700 - 15651	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 19-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14840 /12878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15350 /13265	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
15651 /13501	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 280	<b>Date of Summary:</b> 13-DEC-2004	<b>First Sample Examined:</b> 13050
<b>Lease Number:</b> G16515	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13804
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13804
<b>API Well Number:</b> 177244091200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13050 - 13804	<b>Water Depth:</b> 307
<b>Public Info Code:</b> Y 08-JAN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13050 /13049	DEF AT first sample examined	DEF AT 4
13380 /13379	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13410 /13409	DEF AT - - - - -	DEF AT 5
13470 /13469	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
13600 /13599	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
13690 /13689	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13804 /13803	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 280	<b>Date of Summary:</b> 13-DEC-2004	<b>First Sample Examined:</b> 13050
<b>Lease Number:</b> G16515	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13804
<b>Well Name:</b> SS006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13804
<b>API Well Number:</b> 177244091200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13050 - 13804	<b>Water Depth:</b> 307
<b>Public Info Code:</b> Y 08-JAN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13050 /13049	DEF AT first sample examined	DEF AT
13410 /13409	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
13630 /13629	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
13660 /13659	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
13690 /13689	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13804 /13803	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 281	Date of Summary: 21-APR-1999	First Sample Examined: 4500
Lease Number: G10910	Source of Paleo: OPERATOR	Borehole MD: 14500
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 14499
API Well Number: 177244077500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 4500 - 14500	Water Depth: 307
Public Info Code: Y 10-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 3
4501 / 4501	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
5760 / 5760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
5790 / 5790	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
7180 / 7180	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
7240 / 7240	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
7720 / 7720	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
8439 / 8439	POS AT unconformity	DEF AT 4
8440 / 8440	DEF AT local marker foram increase	DEF AT 4
9130 / 9130	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9220 / 9220	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT 5
9470 / 9470	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
9650 / 9650	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
10010 /10010	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
10100 /10100	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
10130 /10130	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10370 /10370	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11089 /11089	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
11090 /11090	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
11148 /11148	POS AT reworked material	DEF AT 6
11149 /11149	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
11150 /11150	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 281  
Lease Number: G10910  
Well Name: A001  
API Well Number: 177244077500  
Paleo Report Num: 1 of 1  
Public Info Code: Y 10-JUN-2007

Date of Summary: 21-APR-1999  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO SOURCE  
Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
Sample Range: 4500 - 14500  
Ecozone Eq MMS: Y

First Sample Examined: 4500  
Borehole MD: 14500  
Borehole TVD: 14499  
Rkb Elevation: 81  
Water Depth: 307  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11180 /11180	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11210 /11210	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
13680 /13679	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
14340 /14339	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
14368 /14367	DEF AT reworked material	DEF AT 6
14369 /14368	POS IN Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT 6
14370 /14369	POS IN Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 6
14500 /14499	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 281	<b>Date of Summary:</b> 07-MAY-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10910	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14292
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13400
<b>API Well Number:</b> 177244079800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 307
<b>Public Info Code:</b> Y 05-DEC-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5760 / 5758	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9432 / 9155	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
10075 / 9711	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10955 /10468	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11920 /11304	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 281	Date of Summary: 20-AUG-1999	First Sample Examined: 0
Lease Number: G10910	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14759
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13387
API Well Number: 177244080600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 307
Public Info Code: Y 20-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9140 / 9097	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
9895 / 9709	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10790 /10377	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11970 /11269	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 281	Date of Summary: 21-DEC-1997	First Sample Examined: 0
Lease Number: G16515	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10715
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9099
API Well Number: 177244080200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 307
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6240 / 5885	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 281	Date of Summary: 21-APR-1999	First Sample Examined: 5250
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15777
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 14559
API Well Number: 177244078700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 5250 - 15777	Water Depth: 305
Public Info Code: Y 03-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Consultant-integrated foram and nanno report, 5730=pre-lowstand upwelling fauna probably associated with the 5970 datum, 5970=Discoaster var 29 A (Shell concept), transgression above Robulus E datum, foram and nanno species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5250 / 5238	DEF AT first sample examined	DEF AT 4
5251 / 5239	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
5252 / 5240	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
5730 / 5687	DEF AT local marker foram increase	DEF AT 4
5970 / 5909	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
7110 / 6924	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
7530 / 7287	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
7980 / 7670	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8010 / 7695	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
8070 / 7746	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8490 / 8106	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9150 / 8678	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9510 / 8993	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
9720 / 9173	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9750 / 9199	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
10200 / 9587	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
10320 / 9691	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
10830 /10133	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10889 /10184	POS AT reworked material	DEF AT 5
10890 /10185	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 281	Date of Summary: 21-APR-1999	First Sample Examined: 5250
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15777
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 14559
API Well Number: 177244078700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 5250 - 15777	Water Depth: 305
Public Info Code: Y 03-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 /10290	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
11250 /10497	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12000 /11147	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
12029 /11171	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
12030 /11172	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	POS IN 5
12119 /11248	DEF AT local marker floral decrease	DEF IN 5
12120 /11249	DEF AT local marker foram decrease	DEF IN 5
14520 /13377	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
15340 /14143	DEF AT local marker foram increase	DEF AT 6
15580 /14370	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
15699 /14484	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
15700 /14485	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
15717 /14501	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
15718 /14502	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
15747 /14530	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
15777 /14559	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 282	Date of Summary: 09-SEP-1999	First Sample Examined: 4550
Lease Number: G15396	Source of Paleo: OPERATOR	Borehole MD: 17668
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15188
API Well Number: 177244084000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 105
Paleo Report Num: 1 of 2	Sample Range: 4550 - 17668	Water Depth: 318
Public Info Code: Y 17-JUL-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, 17580=Chiasmolithus expansus, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4550 / 4550	DEF AT first sample examined	DEF AT
4551 / 4551	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
5450 / 5450	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
6560 / 6560	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8030 / 8030	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
8510 / 8510	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8540 / 8540	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
9180 / 9179	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
9450 / 9448	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
9720 / 9714	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9870 / 9860	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9930 / 9918	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
10230 /10205	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10590 /10539	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
11910 /11597	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
14910 /13490	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15030 /13573	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15450 /13869	POS AT reworked material	DEF AT
15480 /13890	POS AT reworked material	DEF AT
15960 /14208	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
15961 /14208	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16980 /14789	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 282  
 Lease Number: G15396  
 Well Name: 001  
 API Well Number: 177244084000  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 17-JUL-2001

Date of Summary: 09-SEP-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
 Sample Range: 4550 - 17668  
 Ecozone Eq MMS:

First Sample Examined: 4550  
 Borehole MD: 17668  
 Borehole TVD: 15188  
 Rkb Elevation: 105  
 Water Depth: 318  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17190 /14910	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
17191 /14910	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnoides	DEF AT
17370 /15015	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
17460 /15068	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17520 /15103	DEF IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17580 /15139	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
17610 /15157	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
17668 /15191	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 282	<b>Date of Summary:</b> 15-SEP-1999	<b>First Sample Examined:</b> 4550
<b>Lease Number:</b> G15396	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17668
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15188
<b>API Well Number:</b> 177244084000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4550 - 17668	<b>Water Depth:</b> 318
<b>Public Info Code:</b> Y 17-JUL-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4550 / 4550	DEF AT first sample examined	DEF AT 4
4551 / 4551	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
4639 / 4639	POS AT reworked material	DEF AT 4
4640 / 4640	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
5720 / 5720	DEF AT -----	DEF AT 5
6050 / 6050	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
6140 / 6140	DEF AT -----	DEF AT 4
8540 / 8540	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
9900 / 9889	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
10380 /10345	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
10470 /10429	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
10560 /10511	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10620 /10566	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10800 /10727	DEF AT -----	DEF AT 4
12270 /11819	DEF AT -----	DEF AT 5
12330 /11856	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
12750 /12113	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15000 /13552	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
15150 /13657	DEF AT -----	DEF AT 6
15930 /14189	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
16920 /14754	POS IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 6
16980 /14789	DEF AT -----	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 282  
 Lease Number: G15396  
 Well Name: 001  
 API Well Number: 177244084000  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 17-JUL-2001

Date of Summary: 15-SEP-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
 Sample Range: 4550 - 17668  
 Ecozone Eq MMS: Y

First Sample Examined: 4550  
 Borehole MD: 17668  
 Borehole TVD: 15188  
 Rkb Elevation: 105  
 Water Depth: 318  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17160 /14892	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
17580 /15139	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
17610 /15157	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 5
17668 /15191	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 283	Date of Summary: 06-JUN-1997	First Sample Examined: 4530
Lease Number: G13662	Source of Paleo: OPERATOR	Borehole MD: 13808
Well Name: A001	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 13635
API Well Number: 177244077700	Drilling Operator: MOBIL EXPLORATION AND PRODUCIN	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4530 - 13790	Water Depth: 305
Public Info Code: Y 13-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
4530 / 4530	DEF AT first sample examined	POS	AT	4
4770 / 4770	DEF AT - - - - -	POS	AT	4
4920 / 4920	DEF AT Lower Pliocene (Zanclian) Buliminella 1	POS	AT	4
6030 / 6030	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS	AT	4
6990 / 6990	DEF AT Arenaceous fauna (local marker)	DEF	AT	4
8280 / 8280	DEF AT Cyclamina sp. (local marker)	DEF	AT	4
9030 / 9029	DEF AT Eggerella sp. (local marker)	DEF	AT	4
9990 / 9979	DEF AT local marker benthic foram increase	DEF	AT	4
10200 /10185	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF	AT	4
10680 /10629	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF	AT	4
10830 /10765	DEF AT - - - - -	DEF	AT	5
11760 /11615	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT	5
13460 /13287	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT	5
13790 /13617	DEF AT last sample examined	DEF	AT	5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> MP 283	<b>Date of Summary:</b> 06-JUN-1997	<b>First Sample Examined:</b> 8640
<b>Lease Number:</b> G13662	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> GEORGE J. CONSTANCE, JR.	<b>Borehole TVD:</b> 14097
<b>API Well Number:</b> 177244077701	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8640 - 14090	<b>Water Depth:</b> 305
<b>Public Info Code:</b> Y 09-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Paleobathymetry may be deeper, since samples are of poor quality

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8640 / 8640	DEF AT first sample examined	DEF IN 3
8641 / 8641	DEF AT poor sample interval top	DEF IN 3
9420 / 9419	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
9960 / 9958	DEF AT - - - - -	DEF AT 4
10290 /10288	DEF AT local marker foram increase	DEF AT 4
10743 /10741	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11880 /11878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13050 /13047	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
13230 /13227	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
13590 /13587	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13650 /13647	DEF AT local marker foram increase	DEF AT 5
14089 /14086	DEF AT poor sample interval bottom	DEF AT 5
14090 /14087	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 283	<b>Date of Summary:</b> 09-FEB-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13662	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14350
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13221
<b>API Well Number:</b> 177244079902	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 108
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 295
<b>Public Info Code:</b> Y 14-JAN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5940 / 5918	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
7590 / 7364	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9240 / 8806	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 287  
Lease Number: G19866  
Well Name: A002  
API Well Number: 177244089900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 07-JUN-2013

Date of Summary: 03-JUN-2003  
Source of Paleo: OPERATOR  
Paleo Done By: BANE AND SCHUNICK  
Drilling Operator: STONE ENERGY CORPORATION  
Sample Range: 3840 - 8650  
Ecozone Eq MMS: Y

First Sample Examined: 3840  
Borehole MD: 8650  
Borehole TVD: 7082  
Rkb Elevation: 96  
Water Depth: 285  
Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3840 / 3583	DEF AT first sample examined	DEF AT 2
3930 / 3649	DEF AT -----	DEF IN 2
3960 / 3671	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
4050 / 3737	DEF AT -----	DEF IN 2
4140 / 3803	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
4500 / 4064	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
4680 / 4195	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 3
4770 / 4260	DEF AT -----	DEF IN 2
4773 / 4262	DEF AT -----	DEF AT 3
4800 / 4281	DEF AT -----	DEF IN 2
5130 / 4519	DEF AT -----	DEF AT 2
5220 / 4583	DEF AT -----	DEF IN 2
5310 / 4647	DEF AT -----	DEF AT 3
5430 / 4733	DEF AT -----	DEF IN 2
5520 / 4798	DEF AT -----	DEF AT 3
5610 / 4862	DEF AT -----	DEF IN 2
5640 / 4884	DEF AT -----	DEF AT 3
5790 / 4991	DEF AT local marker foram decrease	DEF AT 2
5940 / 5098	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF IN 2
5970 / 5120	DEF AT -----	DEF AT 2
6000 / 5142	DEF AT -----	DEF IN 2
6150 / 5249	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 287  
Lease Number: G19866  
Well Name: A002  
API Well Number: 177244089900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 07-JUN-2013

Date of Summary: 03-JUN-2003  
Source of Paleo: OPERATOR  
Paleo Done By: BANE AND SCHUNICK  
Drilling Operator: STONE ENERGY CORPORATION  
Sample Range: 3840 - 8650  
Ecozone Eq MMS: Y

First Sample Examined: 3840  
Borehole MD: 8650  
Borehole TVD: 7082  
Rkb Elevation: 96  
Water Depth: 285  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6210 / 5293	DEF AT -----	DEF IN 2
6330 / 5382	DEF AT -----	DEF AT 3
6420 / 5447	DEF AT -----	DEF IN 2
6660 / 5621	DEF AT -----	DEF AT 3
6690 / 5643	DEF AT -----	DEF IN 2
6780 / 5709	DEF AT -----	DEF AT 3
6810 / 5731	DEF AT -----	DEF IN 2
7080 / 5928	DEF AT -----	DEF AT 2
7200 / 6013	DEF AT -----	DEF IN 2
7260 / 6055	DEF AT -----	DEF AT 2
7440 / 6187	DEF AT -----	DEF IN 2
7560 / 6275	DEF AT -----	DEF AT 2
7620 / 6320	DEF AT -----	DEF IN 2
7650 / 6342	DEF AT -----	DEF AT 2
7740 / 6408	DEF AT -----	DEF IN 2
7770 / 6431	DEF AT Arenaceous fauna (local marker)	DEF IN 2
7800 / 6453	DEF AT -----	DEF AT 3
7830 / 6475	DEF AT -----	DEF IN 2
7890 / 6519	DEF AT -----	DEF AT 3
7920 / 6542	DEF AT -----	DEF IN 2
7950 / 6564	DEF AT -----	DEF AT 3
8040 / 6630	DEF AT -----	DEF IN 2
8250 / 6786	DEF AT -----	DEF AT 2
8430 / 6919	DEF AT Arenaceous fauna (local marker)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 287	<b>Date of Summary:</b> 03-JUN-2003	<b>First Sample Examined:</b> 3840
<b>Lease Number:</b> G19866	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8650
<b>Well Name:</b> A002	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 7082
<b>API Well Number:</b> 177244089900	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3840 - 8650	<b>Water Depth:</b> 285
<b>Public Info Code:</b> Y 07-JUN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 6971	DEF AT -----	DEF IN 2
8620 / 7060	DEF AT -----	DEF AT 3
8650 / 7082	DEF AT last sample examined	DEF AT 3

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 287	Date of Summary: 18-JUL-2003	First Sample Examined: 4620
Lease Number: G19866	Source of Paleo: OPERATOR	Borehole MD: 11125
Well Name: A004	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 6979
API Well Number: 177244090100	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4620 - 11130	Water Depth: 285
Public Info Code: Y 17-JUL-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4620 / 3589	DEF AT first sample examined	DEF AT 2
5100 / 3833	DEF AT -----	DEF IN 2
5130 / 3848	DEF AT -----	DEF AT 2
5580 / 4081	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
5700 / 4147	DEF AT local marker foram increase	DEF IN 2
5730 / 4163	DEF AT -----	DEF AT 2
6000 / 4294	DEF AT -----	DEF IN 2
6150 / 4367	DEF AT -----	DEF AT 2
6600 / 4583	DEF AT local marker benthic foram increase	DEF AT 2
6720 / 4641	DEF AT -----	DEF IN 2
6750 / 4656	DEF AT -----	DEF AT 2
6930 / 4746	DEF AT -----	DEF IN 2
6960 / 4761	DEF AT -----	DEF IN 2
7050 / 4807	DEF AT -----	DEF AT 2
8970 / 5794	DEF AT -----	DEF IN 2
9060 / 5841	DEF AT -----	DEF AT 2
9120 / 5873	DEF AT -----	DEF IN 2
9150 / 5889	DEF AT -----	DEF AT 2
9360 / 6001	DEF AT -----	DEF AT 3
9420 / 6033	DEF AT -----	DEF IN 2
9570 / 6113	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 2
9600 / 6129	DEF AT -----	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 287	Date of Summary: 18-JUL-2003	First Sample Examined: 4620
Lease Number: G19866	Source of Paleo: OPERATOR	Borehole MD: 11125
Well Name: A004	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 6979
API Well Number: 177244090100	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4620 - 11130	Water Depth: 285
Public Info Code: Y 17-JUL-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9930 / 6307	DEF AT -----	DEF IN 2
9960 / 6323	DEF AT -----	DEF AT 2
10050 / 6371	DEF AT Cyclammina sp. (local marker)	DEF AT 2
10080 / 6387	DEF AT Arenaceous fauna (local marker)	DEF AT 2
10200 / 6454	DEF AT local marker foram increase	DEF IN 2
10230 / 6470	DEF AT -----	DEF AT 3
10260 / 6487	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
10290 / 6504	DEF AT -----	DEF IN 2
10590 / 6675	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10620 / 6693	DEF AT -----	DEF IN 2
10710 / 6745	DEF AT -----	DEF AT 3
10740 / 6762	DEF AT -----	DEF IN 2
10920 / 6866	DEF AT -----	DEF AT 3
10980 / 6900	DEF AT -----	DEF IN 2
11040 / 6933	DEF AT -----	DEF AT 3
11130 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 287	<b>Date of Summary:</b> 08-MAY-2003	<b>First Sample Examined:</b> 3868
<b>Lease Number:</b> G19869	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8778
<b>Well Name:</b> A001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 6986
<b>API Well Number:</b> 177244089800	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3868 - 8778	<b>Water Depth:</b> 285
<b>Public Info Code:</b> Y 19-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3868 / 3486	DEF AT first sample examined	DEF AT 2
3900 / 3507	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
3901 / 3508	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
4050 / 3611	DEF AT -----	DEF AT 2
4080 / 3632	DEF AT -----	DEF IN 2
4110 / 3654	DEF AT -----	DEF AT 3
4140 / 3675	DEF AT -----	DEF AT 2
4170 / 3697	DEF AT -----	DEF AT 2
4200 / 3718	DEF AT -----	DEF IN 2
4230 / 3740	DEF AT local marker foram increase	DEF AT 3
4890 / 4212	DEF AT -----	DEF AT 2
4950 / 4255	DEF AT -----	DEF IN 2
4980 / 4276	DEF AT -----	DEF AT 3
5070 / 4340	DEF AT -----	DEF IN 2
5210 / 4440	DEF AT -----	DEF IN 2
5220 / 4447	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT
5340 / 4533	DEF AT local marker foram increase	DEF IN 2
5370 / 4554	DEF AT -----	DEF AT 2
5430 / 4597	DEF AT -----	DEF IN 2
5550 / 4683	DEF AT -----	DEF AT 2
5970 / 4983	DEF AT -----	DEF IN 2
6000 / 5004	DEF AT -----	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 287	Date of Summary: 08-MAY-2003	First Sample Examined: 3868
Lease Number: G19869	Source of Paleo: OPERATOR	Borehole MD: 8778
Well Name: A001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 6986
API Well Number: 177244089800	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 3868 - 8778	Water Depth: 285
Public Info Code: Y 19-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 5438	DEF AT local marker foram increase	DEF AT 2
6810 / 5588	DEF AT -----	DEF IN 2
6870 / 5630	DEF AT -----	DEF AT 2
6990 / 5714	DEF AT -----	DEF IN 2
7200 / 5862	DEF AT -----	DEF AT 2
7620 / 6161	DEF AT Arenaceous fauna (local marker)	DEF AT 2
7680 / 6204	DEF AT Cyclammina sp. (local marker)	DEF IN 2
7740 / 6247	DEF AT -----	DEF AT 2
7770 / 6268	DEF AT -----	DEF IN 2
7800 / 6289	DEF AT -----	DEF AT 2
7920 / 6374	DEF AT -----	DEF IN 2
7980 / 6417	DEF AT -----	DEF AT 2
8160 / 6545	DEF AT -----	DEF IN 2
8250 / 6609	DEF AT -----	DEF AT 2
8640 / 6889	DEF AT Arenaceous fauna (local marker)	DEF AT 2
8670 / 6910	DEF AT -----	DEF IN 2
8700 / 6931	DEF AT -----	DEF AT 3
8778 / 6986	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 287	Date of Summary: 25-JUN-2003	First Sample Examined: 3800
Lease Number: G19869	Source of Paleo: OPERATOR	Borehole MD: 7524
Well Name: A003	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 6900
API Well Number: 177244090000	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 3800 - 7524	Water Depth: 285
Public Info Code: Y 26-JUN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
3800 / 3799	DEF AT first sample examined	DEF AT 2
3830 / 3829	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
3860 / 3858	DEF AT -----	DEF IN 2
3890 / 3888	DEF AT -----	DEF AT 3
3950 / 3947	DEF AT -----	DEF IN 2
4010 / 4006	DEF AT -----	DEF AT 3
4040 / 4035	DEF AT -----	DEF AT 2
4250 / 4237	POS AT local marker foram increase	DEF IN 2
4280 / 4266	DEF AT -----	DEF AT 2
4850 / 4787	DEF AT -----	DEF IN 2
4880 / 4812	DEF AT -----	DEF AT 2
5060 / 4963	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 2
5270 / 5134	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
5300 / 5157	DEF AT -----	DEF AT 2
5330 / 5181	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
5570 / 5368	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 2
5600 / 5392	DEF AT -----	DEF AT 2
5870 / 5605	DEF AT local marker foram increase	DEF AT 3
5990 / 5699	DEF AT local marker foram increase	DEF AT 3
6020 / 5723	DEF AT -----	DEF IN 2
6050 / 5746	DEF AT limestone	DEF AT 2
6260 / 5912	DEF AT -----	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 287	<b>Date of Summary:</b> 25-JUN-2003	<b>First Sample Examined:</b> 3800
<b>Lease Number:</b> G19869	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7524
<b>Well Name:</b> A003	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 6900
<b>API Well Number:</b> 177244090000	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3800 - 7524	<b>Water Depth:</b> 285
<b>Public Info Code:</b> Y 26-JUN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6440 / 6054	DEF AT - - - - -	DEF AT 2
6890 / 6408	DEF AT local marker foram increase	DEF AT 2
6980 / 6478	DEF AT Arenaceous fauna (local marker)	DEF AT 2
7070 / 6549	POS AT Cyclammina sp. (local marker)	DEF AT 2
7280 / 6712	POS AT local marker foram increase	DEF IN 2
7340 / 6758	DEF AT - - - - -	DEF AT 2
7490 / 6874	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 2
7524 / 6900	DEF AT last sample examined	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 288	Date of Summary: 23-MAR-2004	First Sample Examined: 7320
Lease Number: G01665	Source of Paleo: OPERATOR	Borehole MD: 10598
Well Name: A013	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 6544
API Well Number: 177244012901	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 7320 - 10470	Water Depth: 394
Public Info Code: Y 19-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: No samples taken from 10470 to 10598

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7320 / 4619	DEF AT first sample examined	DEF AT 2
7350 / 4637	DEF AT local marker foram increase	DEF AT 3
7380 / 4655	DEF AT faunal change (no faunal increase)	DEF IN 2
7410 / 4673	DEF AT faunal change (no faunal increase)	DEF AT 3
7470 / 4709	DEF AT faunal change (no faunal increase)	DEF AT 2
7740 / 4872	DEF AT faunal change (no faunal increase)	DEF IN 2
7770 / 4891	DEF AT faunal change (no faunal increase)	DEF AT 2
7800 / 4909	DEF AT faunal change (no faunal increase)	DEF IN 2
7890 / 4963	DEF AT faunal change (no faunal increase)	DEF AT 2
7980 / 5016	DEF AT faunal change (no faunal increase)	DEF IN 2
8130 / 5103	DEF AT local marker foram increase	DEF AT 3
8160 / 5120	DEF AT faunal change (no faunal increase)	DEF IN 2
8280 / 5190	DEF AT local marker benthic foram increase	DEF IN 2
8400 / 5259	DEF AT faunal change (no faunal increase)	DEF AT 2
8820 / 5509	DEF AT faunal change (no faunal increase)	DEF AT 3
8850 / 5527	DEF AT faunal change (no faunal increase)	DEF IN 2
8910 / 5563	DEF AT faunal change (no faunal increase)	DEF AT 3
8970 / 5599	DEF AT faunal change (no faunal increase)	DEF IN 3
9240 / 5759	DEF AT faunal change (no faunal increase)	POS AT 4
9270 / 5776	DEF AT local marker planktic foram increase	POS AT 4
9300 / 5793	DEF AT faunal change (no faunal increase)	DEF AT 3
9330 / 5811	DEF AT faunal change (no faunal increase)	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MP 288	<b>Date of Summary:</b> 23-MAR-2004	<b>First Sample Examined:</b> 7320
<b>Lease Number:</b> G01665	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10598
<b>Well Name:</b> A013	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 6544
<b>API Well Number:</b> 177244012901	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7320 - 10470	<b>Water Depth:</b> 394
<b>Public Info Code:</b> Y 19-APR-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9390 / 5846	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 3
9480 / 5899	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
9510 / 5917	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
9630 / 5987	DEF AT faunal change (no faunal increase)	DEF IN 3
9660 / 6005	DEF AT faunal change (no faunal increase)	DEF AT 3
9720 / 6040	DEF AT faunal change (no faunal increase)	DEF IN 3
10050 / 6231	DEF AT faunal change (no faunal increase)	DEF IN 2
10170 / 6298	DEF AT faunal change (no faunal increase)	DEF AT 3
10200 / 6315	DEF AT faunal change (no faunal increase)	DEF IN 2
10380 / 6419	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
10410 / 6436	DEF AT faunal change (no faunal increase)	DEF AT 3
10470 / 6471	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 289	Date of Summary: 09-OCT-1992	First Sample Examined: 0
Lease Number: G01667	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7570
Well Name: C021	Paleo Done By: OPERATOR	Borehole TVD: 5907
API Well Number: 177244049100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 342
Public Info Code: Y 11-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3950 / 3304	POS IN Pliocene	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 295	Date of Summary: 22-NOV-2013	First Sample Examined: 8340
Lease Number: G32263	Source of Paleo: OPERATOR	Borehole MD: 19555
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19510
API Well Number: 177244097001	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 8340 - 19555	Water Depth: 218
Public Info Code: Y 19-NOV-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8340 / 8331	DEF AT first sample examined	POS AT 5
8341 / 8332	DEF IN salt	POS AT 5
8430 / 8420	DEF AT out-of-place section	POS AT 5
8460 / 8450	DEF AT base of salt	DEF AT 5
8490 / 8480	DEF AT out-of-place section	DEF AT 5
8790 / 8780	POS AT Upper Miocene (Tortonian) <i>Uvigerina</i> 3	DEF AT 5
8969 / 8959	POS AT Middle Miocene (Serravallian) <i>Discoaster kugleri</i>	DEF AT 5
8970 / 8960	POS AT Middle Miocene (Serravallian) <i>Globorotalia fohsi robusta</i>	DEF AT 5
9479 / 9469	POS IN Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT 5
9480 / 9470	DEF AT out-of-place section	DEF AT 5
10800 /10790	DEF AT Middle Miocene (Serravallian) <i>Textularia "W"</i>	DEF AT 5
13020 /13009	POS AT Middle Miocene (Serravallian) <i>Globorotalia fohsi lobata</i>	DEF AT 5
13170 /13159	POS AT Middle Miocene (Serravallian) <i>Globorotalia fohsi fohsi</i>	DEF IN 5
13200 /13189	POS AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF IN 5
13350 /13339	DEF AT local marker floral increase	DEF IN 5
13680 /13669	DEF AT - - - - -	DEF AT 5
15030 /15016	POS AT Middle Miocene (Serravallian) <i>Globorotalia peripheroacuta</i>	DEF AT 5
15120 /15105	POS AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT 5
15240 /15225	POS AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT 5
15420 /15404	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus (acme)</i>	DEF AT 5
16920 /16894	POS AT Middle Miocene (Serravallian) <i>Praeorbulina glomerosa</i>	DEF AT 5
17609 /17578	POS AT Middle Miocene (Langhian) <i>Helicosphaera ampliapertura</i>	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 295	Date of Summary: 22-NOV-2013	First Sample Examined: 8340
Lease Number: G32263	Source of Paleo: OPERATOR	Borehole MD: 19555
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19510
API Well Number: 177244097001	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 8340 - 19555	Water Depth: 218
Public Info Code: Y 19-NOV-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17610 /17579	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
17640 /17609	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
17670 /17639	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
17700 /17668	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
17730 /17698	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
17907 /17874	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 5
17908 /17875	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 5
17909 /17876	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
17910 /17877	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
17969 /17936	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
17970 /17937	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 5
18030 /17997	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
18060 /18026	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
18089 /18055	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
18090 /18056	DEF AT Lower Oligocene (Rupelian) Nonion struma	DEF AT 5
18120 /18086	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
18148 /18114	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
18149 /18115	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
18150 /18116	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
18209 /18175	POS IN Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
18210 /18176	POS AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
18238 /18203	POS IN Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 5
18239 /18204	DEF AT Lower Eocene (Ypresian) Tribrochiatulus orthostylus	DEF AT 5
18240 /18205	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 295	Date of Summary: 22-NOV-2013	First Sample Examined: 8340
Lease Number: G32263	Source of Paleo: OPERATOR	Borehole MD: 19555
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19510
API Well Number: 177244097001	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 8340 - 19555	Water Depth: 218
Public Info Code: Y 19-NOV-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18269 /18234	POS IN Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
18270 /18235	POS IN Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF AT 5
18299 /18264	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 5
18300 /18265	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
18330 /18295	DEF AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF AT 5
18360 /18325	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT 5
18390 /18355	POS AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT 5
18420 /18385	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 5
18446 /18410	DEF IN Upper Cretaceous (Turonian) Parhabdolithus asper	DEF AT 4
18447 /18411	DEF AT Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF AT 4
18448 /18412	DEF AT Upper Cretaceous (Cenomanian) Rotalipora greenhornensis	DEF AT 4
18449 /18413	DEF AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT 4
18450 /18414	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 4
18510 /18474	POS AT Upper Cretaceous (Cenomanian) Rotalipora reicheli	DEF AT 4
18780 /18742	DEF AT - - - - -	DEF AT 3
18810 /18772	POS IN Upper Cretaceous (Cenomanian) Axopodorhabdus albianus	DEF AT 3
19555 /19510	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 299	Date of Summary: 16-DEC-1991	First Sample Examined: 0
Lease Number: G01316	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8037
Well Name: BA006	Paleo Done By: OPERATOR	Borehole TVD: 7025
API Well Number: 177244055200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 200
Public Info Code: Y 20-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6998	DEF AT salt	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 299	Date of Summary: 31-JUL-2000	First Sample Examined: 4100
Lease Number: G01316	Source of Paleo: OPERATOR	Borehole MD: 6257
Well Name: DA009	Paleo Done By: OPERATOR	Borehole TVD: 5749
API Well Number: 177244085100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 4100 - 6257	Water Depth: 215
Public Info Code: Y 26-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4100 / 3633	DEF AT first sample examined	DEF IN 3
4101 / 3634	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
4250 / 3771	DEF AT -----	DEF AT 2
4430 / 3941	DEF AT -----	DEF AT 3
4550 / 4057	DEF AT -----	DEF IN 2
4730 / 4233	DEF AT -----	DEF AT 3
4790 / 4292	DEF AT -----	DEF IN 2
5150 / 4648	DEF AT -----	DEF AT 2
5930 / 5427	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
5931 / 5428	DEF AT local marker floral increase	DEF AT 5
5990 / 5487	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
6020 / 5517	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
6080 / 5577	DEF AT -----	DEF AT 6
6170 / 5667	DEF AT -----	DEF IN 5
6257 / 5754	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 302  
 Lease Number: G16518  
 Well Name: 001  
 API Well Number: 177244083800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-JUN-2001

Date of Summary: 02-AUG-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC  
 Sample Range: 8739 - 12383  
 Ecozone Eq MMS: Y

First Sample Examined: 8739  
 Borehole MD: 12383  
 Borehole TVD: 11310  
 Rkb Elevation: 98  
 Water Depth: 231  
 Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8739 / 7956	DEF AT first sample examined	DEF AT 4
9018 / 8194	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
10312 / 9312	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
10404 / 9393	DEF AT -----	DEF AT 6
10777 / 9733	DEF AT -----	DEF AT 5
12383 / 11310	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 312	Date of Summary: 13-JAN-1998	First Sample Examined: 7290
Lease Number: G16520	Source of Paleo: OPERATOR	Borehole MD: 11776
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 11553
API Well Number: 177244077000	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4020 - 11790	Water Depth: 240
Public Info Code: Y 13-MAR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7290 / 7290	DEF AT first sample examined	DEF AT 3
7320 / 7320	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 3
8280 / 8267	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
8730 / 8701	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
8880 / 8843	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
9600 / 9513	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 3
9720 / 9623	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
9780 / 9679	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 3
10440 /10297	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
11790 /	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 313	Date of Summary: 18-AUG-1997	First Sample Examined: 7050
Lease Number: G04127	Source of Paleo: OPERATOR	Borehole MD: 16360
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 16352
API Well Number: 177244075470	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 5010 - 16350	Water Depth: 273
Public Info Code: Y 03-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7050 / 7049	DEF AT first sample examined	POS AT 3
7980 / 7979	DEF AT -----	DEF AT 3
8430 / 8429	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
8820 / 8818	DEF AT -----	DEF IN 3
8940 / 8938	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 3
9300 / 9297	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
9600 / 9597	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
10140 /10137	DEF AT -----	DEF AT 3
10470 /10467	DEF AT -----	DEF AT 4
10590 /10586	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
11130 /11126	DEF AT -----	DEF AT 5
12210 /12206	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
12300 /12296	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
12360 /12356	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
14280 /14275	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
14760 /14754	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15480 /15474	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16350 /16342	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MP 313	Date of Summary: 18-AUG-1997	First Sample Examined: 15810
Lease Number: G04127	Source of Paleo: OPERATOR	Borehole MD: 18156
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 18108
API Well Number: 177244075471	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 15810 - 18150	Water Depth: 273
Public Info Code: Y 04-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15810 /15804	DEF AT first sample examined	DEF AT 4
16050 /16043	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
16410 /16401	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
16860 /16846	DEF AT -----	DEF AT 5
17010 /16993	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17100 /17082	DEF AT -----	DEF AT 4
18030 /17985	DEF AT -----	DEF AT 5
18150 /18102	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 726	Date of Summary: 05-DEC-2000	First Sample Examined: 0
Lease Number: G20605	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5798
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5309
API Well Number: 427024027701	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 84
Public Info Code: Y 16-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5465 / 5009	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 726	Date of Summary: 02-JAN-2001	First Sample Examined: 0
Lease Number: G20605	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5629
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5629
API Well Number: 427024027800	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 84
Public Info Code: Y 27-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3022 / 3022	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
5200 / 5199	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 754	Date of Summary: 25-JAN-1999	First Sample Examined: 0
Lease Number: G05981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9042
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7356
API Well Number: 427024026001	Drilling Operator: FORCENERGY INC	Rkb Elevation: 68
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 04-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7876 / 6412	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 757  
 Lease Number: G03019  
 Well Name: B004  
 API Well Number: 427024025100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 28-JUL-2005

Date of Summary: 26-MAR-1996  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9691  
 Borehole TVD: 7076  
 Rkb Elevation: 106  
 Water Depth: 142  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6960 / 5329	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7910 / 5901	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8865 / 6496	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9110 / 6661	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 759	Date of Summary: 15-AUG-2000	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11835
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10380
API Well Number: 427024022200	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 31-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5830 / 5827	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6460 / 6435	POS IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 759	Date of Summary: 07-APR-1998	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13825
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12061
API Well Number: 427024023100	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 160
Public Info Code: Y 31-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6960 / 6627	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7110 / 6743	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9090 / 8284	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
13200 / 11556	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 759	Date of Summary: 14-AUG-1998	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11699
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11149
API Well Number: 427024023200	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 160
Public Info Code: Y 31-AUG-2004	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6310 / 6151	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6520 / 6345	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7285 / 7053	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT
7870 / 7586	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
8050 / 7749	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8710 / 8359	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 759	Date of Summary: 04-OCT-1995	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13112
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 10860
API Well Number: 427024024200	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 13-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6400 / 6330	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9500 / 8317	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU 759	<b>Date of Summary:</b> 21-NOV-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14103	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11871
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10276
<b>API Well Number:</b> 427024023300	<b>Drilling Operator:</b> EOG RESOURCES INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 154
<b>Public Info Code:</b> Y 02-MAR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6800 / 6686	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9400 / 8583	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 759	Date of Summary: 25-JAN-1999	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11764
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 10878
API Well Number: 427024023700	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 10-NOV-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6711 / 6710	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8830 / 8620	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 759	Date of Summary: 21-OCT-1998	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13176
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 11292
API Well Number: 427024025400	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 11-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 6397	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6720 / 6630	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6870 / 6752	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 763	Date of Summary: 02-AUG-1995	First Sample Examined: 0
Lease Number: G03022	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9488
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9485
API Well Number: 427024025000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 09-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4527	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
5190 / 5187	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
5744 / 5741	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
6938 / 6935	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
7102 / 7099	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 781	Date of Summary: 15-NOV-1999	First Sample Examined: 0
Lease Number: G18872	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11050
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11050
API Well Number: 427024027300	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 136
Public Info Code: Y 30-NOV-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5170 / 5170	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
5720 / 5720	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
6770 / 6770	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
7010 / 7010	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU 782	<b>Date of Summary:</b> 08-DEC-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10147	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10535
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9315
<b>API Well Number:</b> 427024021700	<b>Drilling Operator:</b> BRITISH-BORNEO USA INC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 144
<b>Public Info Code:</b> Y 12-NOV-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4158 / 4131	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
5504 / 5232	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7002 / 6438	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7442 / 6793	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
7746 / 7036	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 784	Date of Summary: 05-MAY-1995	First Sample Examined: 804
Lease Number: G05996	Source of Paleo: OPERATOR	Borehole MD: 13475
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12156
API Well Number: 427024024600	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 804 - 13470	Water Depth: 170
Public Info Code: Y 18-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
804 / 804	DEF AT first sample examined	DEF AT 3
1704 / 1695	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
4494 / 4190	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
4944 / 4622	DEF AT - - - - -	DEF AT 3
6830 / 6499	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
7070 / 6739	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8330 / 7961	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
8390 / 8017	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
9380 / 8919	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13380 / 12080	DEF AT - - - - -	DEF AT 4
13470 / 12152	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 785	Date of Summary: 20-JUL-1990	First Sample Examined: 0
Lease Number: G08975	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12500
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8530
API Well Number: 427024017800	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 174
Public Info Code: Y 03-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8030 / 5802	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10490 / 7339	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 785	Date of Summary: 20-JUL-1990	First Sample Examined: 0
Lease Number: G08975	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11009
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 9710
API Well Number: 427024017900	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 175
Public Info Code: Y 15-MAY-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5436 / 5004	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6320 / 5762	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7935 / 7142	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 785	Date of Summary: 14-OCT-1993	First Sample Examined: 0
Lease Number: G08975	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8306
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 7373
API Well Number: 427024021400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 174
Public Info Code: Y 09-SEP-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5758 / 5505	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6965 / 6386	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 786	Date of Summary: 22-SEP-1994	First Sample Examined: 0
Lease Number: G10152	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11949
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 10329
API Well Number: 427024022900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 173
Public Info Code: Y 14-SEP-2004	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5795 / 5707	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7290 / 6839	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7880 / 7257	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8350 / 7594	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 787	Date of Summary: 21-JAN-2000	First Sample Examined: 0
Lease Number: G10152	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14700
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11249
API Well Number: 427024021202	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 30-AUG-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7420 / 6042	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9460 / 7459	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 787	Date of Summary: 31-JUL-1995	First Sample Examined: 0
Lease Number: G10152	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14576
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 10558
API Well Number: 427024022300	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 151
Public Info Code: Y 07-MAR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7560 / 6041	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9670 / 7414	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 787  
 Lease Number: G10152  
 Well Name: A006  
 API Well Number: 427024022600  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 24-JUN-2004

Date of Summary: 11-MAR-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13285  
 Borehole TVD: 11101  
 Rkb Elevation: 126  
 Water Depth: 150  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6860 / 5996	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8344 / 7161	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU 787	<b>Date of Summary:</b> 06-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11221	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9774
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7950
<b>API Well Number:</b> 427024022501	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 125
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 151
<b>Public Info Code:</b> Y 26-JAN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8070 / 7015	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8300 / 7140	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 787	Date of Summary: 28-FEB-1995	First Sample Examined: 0
Lease Number: G11221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13863
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 13547
API Well Number: 427024024100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 18-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5936 / 5622	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6312 / 5998	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7245 / 6931	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
7550 / 7236	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11585 / 11270	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 788  
 Lease Number: G15704  
 Well Name: 001  
 API Well Number: 427024026100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-JAN-2001

Date of Summary: 08-OCT-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9346  
 Borehole TVD: 9343  
 Rkb Elevation: 84  
 Water Depth: 130  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5120 / 5120	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
5610 / 5610	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
6172 / 6172	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
6500 / 6500	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 803	Date of Summary: 05-MAY-1997	First Sample Examined: 0
Lease Number: G17076	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8195
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6903
API Well Number: 427024025800	Drilling Operator: BARRETT RESOURCES CORPORATION	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 126
Public Info Code: Y 31-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5535 / 4575	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6253 / 5105	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7338 / 6053	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7786 / 6495	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 806	Date of Summary: 14-JUL-1997	First Sample Examined: 0
Lease Number: G10152	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10000
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9999
API Well Number: 427024024500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 164
Public Info Code: Y 23-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5990 / 5990	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7370 / 7369	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU 807	<b>Date of Summary:</b> 25-JUN-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14105	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11830
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11827
<b>API Well Number:</b> 427024023000	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 17-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6060 / 6060	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7580 / 7580	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8980 / 8979	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU 829	<b>Date of Summary:</b> 04-JAN-2005	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G22165	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8769
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8768
<b>API Well Number:</b> 427024028800	<b>Drilling Operator:</b> NOBLE ENERGY INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5000 - 8768	<b>Water Depth:</b> 176
<b>Public Info Code:</b> Y 30-SEP-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT
5001 / 5001	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
5840 / 5840	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
6470 / 6470	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
8768 / 8767	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 829	Date of Summary: 05-JAN-2005	First Sample Examined: 5000
Lease Number: G22165	Source of Paleo: OPERATOR	Borehole MD: 8769
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8768
API Well Number: 427024028800	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 5000 - 8750	Water Depth: 176
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 3
5001 / 5001	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
6170 / 6170	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
7100 / 7099	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8450 / 8449	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
8750 / 8749	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 829	Date of Summary: 05-JAN-2005	First Sample Examined: 8770
Lease Number: G22165	Source of Paleo: OPERATOR	Borehole MD: 12010
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12000
API Well Number: 427024028801	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 8770 - 12010	Water Depth: 176
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8770 / 8769	DEF AT first sample examined	DEF AT 3
9260 / 9259	POS AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
9530 / 9528	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
11480 /11470	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
11660 /11650	DEF AT - - - - -	DEF AT 4
11750 /11740	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 4
12010 /12000	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 829	Date of Summary: 05-JAN-2005	First Sample Examined: 8780
Lease Number: G22165	Source of Paleo: OPERATOR	Borehole MD: 12010
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12000
API Well Number: 427024028801	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 8780 - 12010	Water Depth: 176
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8780 / 8779	DEF AT first sample examined	DEF AT
8810 / 8809	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
8840 / 8839	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
9800 / 9797	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
10550 /10543	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
12010 /12000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 858	Date of Summary: 30-JAN-1998	First Sample Examined: 0
Lease Number: G12421	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15000
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14999
API Well Number: 427024026400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 01-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7878 / 7878	DEF AT Upper Oligocene (Chattian) Discorbis gravelli	DEF AT
9442 / 9442	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT
12268 / 12268	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU 858	<b>Date of Summary:</b> 13-SEP-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12421	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16497
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16159
<b>API Well Number:</b> 427024024400	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 88
<b>Public Info Code:</b> Y 12-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9546 / 9230	DEF AT Oligocene Frio Formation/Provincial Stage	DEF AT
13726 /13407	DEF IN Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT
14996 /14669	DEF IN Upper Oligocene (Chattian) Marginulina texana	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 858	Date of Summary: 09-NOV-1995	First Sample Examined: 0
Lease Number: G12421	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15818
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 14918
API Well Number: 427024024700	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 12-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7190 / 7086	DEF AT Lower Miocene (Aquitainian) Siphonina davis	DEF AT
9650 / 9281	POS AT Upper Oligocene (Chattian) Marginulina idiomorpha	DEF AT
9651 / 9282	POS AT Oligocene Frio Formation/Provincial Stage	DEF AT
12450 /11840	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU 868	Date of Summary: 29-AUG-1991	First Sample Examined: 6020
Lease Number: G06013	Source of Paleo: OPERATOR	Borehole MD: 8427
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7860
API Well Number: 427024018900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 157
Paleo Report Num: 1 of 1	Sample Range: 1700 - 8420	Water Depth: 130
Public Info Code: Y 09-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 5685	DEF AT first sample examined	DEF IN 0
6620 / 6245	DEF AT -----	DEF AT 2
7100 / 6680	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 2
7460 / 6999	DEF AT -----	DEF AT 1
8060 / 7531	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 1
8090 / 7558	DEF AT -----	DEF AT 2
8420 / 7852	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU 868	<b>Date of Summary:</b> 28-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06013	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8117
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7900
<b>API Well Number:</b> 427024027500	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 136
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 130
<b>Public Info Code:</b> Y 01-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4547 / 4414	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
5020 / 4849	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7930 / 7713	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU A 31	<b>Date of Summary:</b> 21-JAN-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G04537	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11032
<b>Well Name:</b> 005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11030
<b>API Well Number:</b> 427024020200	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 220
<b>Public Info Code:</b> Y 28-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4172 / 4172	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6757 / 6757	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7217 / 7217	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9160 / 9159	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU A 31	Date of Summary: 24-AUG-1995	First Sample Examined: 6500
Lease Number: G11243	Source of Paleo: OPERATOR	Borehole MD: 9751
Well Name: B006	Paleo Done By: OPERATOR	Borehole TVD: 8776
API Well Number: 427024024300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 4430 - 9750	Water Depth: 215
Public Info Code: Y 28-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 5649	DEF AT first sample examined	DEF AT 2
6740 / 5863	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 2
7850 / 6894	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8270 / 7303	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
9410 / 8436	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 2
9750 / 8775	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU A 51	<b>Date of Summary:</b> 21-JAN-1999	<b>First Sample Examined:</b> 12900
<b>Lease Number:</b> G18880	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20198
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO CONTROL INC.	<b>Borehole TVD:</b> 20193
<b>API Well Number:</b> 427124011500	<b>Drilling Operator:</b> SEAGULL ENERGY E&P INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12900 - 13950	<b>Water Depth:</b> 208
<b>Public Info Code:</b> Y 31-DEC-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /12900	DEF AT first sample examined	DEF AT 3
12901 /12901	DEF IN Middle Miocene (Serravallian) Globorotalia foehsi praefoehsi	DEF AT 3
13350 /13350	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
13920 /13919	DEF AT - - - - -	POS AT 3
13950 /13949	DEF AT last sample examined	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU A 51  
Lease Number: G18880  
Well Name: 001  
API Well Number: 427124011500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 31-DEC-2002

Date of Summary: 21-JAN-1999  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO CONTROL INC.  
Drilling Operator: SEAGULL ENERGY E&P INC  
Sample Range: 13950 - 20190  
Ecozone Eq MMS: Y

First Sample Examined: 13950  
Borehole MD: 20198  
Borehole TVD: 20193  
Rkb Elevation: 99  
Water Depth: 208  
Paleo ID: 003

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 /13949	DEF AT first sample examined	POS AT 3
13951 /13950	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
14310 /14308	DEF AT -----	DEF IN 2
14730 /14728	DEF AT -----	POS IN 2
14970 /14968	DEF AT -----	DEF IN 2
15570 /15568	DEF AT -----	POS IN 2
16170 /16168	DEF AT -----	DEF IN 2
16560 /16557	DEF AT -----	POS IN 2
17100 /17097	DEF AT -----	DEF IN 2
17490 /17487	DEF AT -----	POS IN 2
17970 /17967	DEF AT -----	DEF IN 2
18450 /18447	DEF AT -----	POS IN 2
18480 /18477	DEF AT -----	DEF IN 2
18600 /18597	DEF AT -----	POS IN 2
18630 /18627	DEF AT -----	DEF AT 2
18780 /18776	DEF AT -----	POS IN 2
18900 /18896	DEF AT -----	DEF AT 2
19380 /19376	DEF AT -----	POS AT 2
19500 /19496	DEF AT -----	POS AT 2
20190 /20185	DEF AT last sample examined	POS AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU A 65	Date of Summary: 31-OCT-2003	First Sample Examined: 5030
Lease Number: G20608	Source of Paleo: OPERATOR	Borehole MD: 15609
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 12590
API Well Number: 427124011800	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 5030 - 15600	Water Depth: 247
Public Info Code: Y 02-MAY-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5030 / 5030	DEF AT first sample examined	DEF AT 2
5160 / 5160	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 2
5190 / 5190	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5610 / 5610	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
5940 / 5940	DEF AT local marker benthic foram increase	DEF IN 2
6000 / 6000	DEF AT - - - - -	DEF AT 2
6180 / 6180	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 2
6330 / 6330	DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 2
6630 / 6630	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
7199 / 7199	DEF AT faunal change (no faunal increase)	DEF AT 2
7200 / 7200	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 2
8250 / 8235	DEF AT local marker planktic foram increase	DEF AT 2
8399 / 8376	DEF AT Arenaceous fauna (local marker)	DEF AT 2
8400 / 8377	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 2
8970 / 8907	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
9395 / 9269	DEF AT foram flood	DEF AT 2
9450 / 9313	DEF AT local marker planktic foram increase	DEF AT 2
9900 / 9658	DEF AT local marker foram increase	DEF AT 2
9990 / 9721	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 2
10170 / 9841	POS AT local marker foram increase	DEF AT 2
10350 / 9950	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
10410 / 9985	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU A 65	<b>Date of Summary:</b> 31-OCT-2003	<b>First Sample Examined:</b> 5030
<b>Lease Number:</b> G20608	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15609
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 12590
<b>API Well Number:</b> 427124011800	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5030 - 15600	<b>Water Depth:</b> 247
<b>Public Info Code:</b> Y 02-MAY-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10950 /10290	DEF AT local marker foram increase	DEF AT 2
11400 /10539	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 2
11550 /10622	POS AT local marker foram increase	DEF AT 2
12120 /10954	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
12480 /11153	DEF AT local marker planktic foram increase	DEF AT 2
12540 /11185	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
12990 /11406	DEF AT local marker foram increase	DEF AT 2
13230 /11517	DEF AT local marker foram increase	DEF AT 2
13830 /11774	POS AT deepwater facies Pontchartrain	DEF AT 2
15060 /12327	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 2
15600 /12586	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: MU A 85	Date of Summary: 04-DEC-1995	First Sample Examined: 0
Lease Number: G12427	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11754
Well Name: A011	Paleo Done By: OPERATOR	Borehole TVD: 10887
API Well Number: 427124011100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 262
Public Info Code: Y 03-JUL-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8380 / 7825	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU A 113	<b>Date of Summary:</b> 25-JAN-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17083	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14600
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14581
<b>API Well Number:</b> 427124011600	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 257
<b>Public Info Code:</b> Y 31-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4230 / 4227	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
4360 / 4357	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11650 / 11634	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> MU A 124	<b>Date of Summary:</b> 09-JUN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12430	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6475
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6118
<b>API Well Number:</b> 427124010700	<b>Drilling Operator:</b> WALTER OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 381
<b>Public Info Code:</b> Y 06-OCT-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6178 / 5860	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 167	Date of Summary: 16-OCT-2000	First Sample Examined: 4050
Lease Number: G17485	Source of Paleo: OPERATOR	Borehole MD: 13747
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13747
API Well Number: 608024000300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4050 - 13747	Water Depth: 1594
Public Info Code: Y 29-OCT-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 7920=Discoaster moorei LAD, 7950=Micrantholithus spp, 8460=Coronocuculus nitescens LAD, 9780=top of Discoaster deflandrei 5 ray and Helicosphaera scissura LAD, 9990=Reticulosphaera lockeri LAD, 10230=Dictyococcites bisecta filewiczii LAD, 10260=Helicosphaera rhomba LAD, 10320=Reticulosphaera perplexa LAD, 11430=Sphenolithus procerus LAD, 11460=Helicosphaera euphratis LAD and Hughesius tasmaniae LAD, 12660=Ericsonia obruta LAD, 13110=Dictyococcites stavensis LAD, 13290=bottom of Orthorhabdus serratus, 13440=bottom of Sphenolithus procerus, 13710=Upper NN2 chronozone, with the presence of Umbilicosphaera rotula

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4050 / 4049	DEF AT first sample examined	DEF AT
4080 / 4079	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
4200 / 4199	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT
4380 / 4379	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
4530 / 4529	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
6030 / 6029	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
6060 / 6059	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
6090 / 6089	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
6210 / 6209	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
6450 / 6449	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
6960 / 6958	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7470 / 7468	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7500 / 7498	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
7530 / 7528	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
7800 / 7798	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
7860 / 7858	DEF AT local marker floral increase	DEF AT
7890 / 7888	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
7920 / 7917	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PI 167	<b>Date of Summary:</b> 16-OCT-2000	<b>First Sample Examined:</b> 4050
<b>Lease Number:</b> G17485	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13747
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13747
<b>API Well Number:</b> 608024000300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4050 - 13747	<b>Water Depth:</b> 1594
<b>Public Info Code:</b> Y 29-OCT-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7950 / 7947	DEF AT local marker floral increase	DEF AT
8010 / 8007	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
8160 / 8157	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
8310 / 8307	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
8340 / 8337	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
8370 / 8367	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
8490 / 8487	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
8520 / 8517	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
8610 / 8607	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
8730 / 8727	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8731 / 8728	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
8850 / 8846	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
9540 / 9535	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
9630 / 9625	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
9720 / 9715	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
9990 / 9984	DEF AT local marker floral increase	DEF AT
10230 /10224	POS AT Middle Miocene (Langhian) Coccolithus aff. bisectus	DEF AT
10260 /10254	DEF AT local marker floral increase	DEF AT
10290 /10284	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
10320 /10314	DEF AT local marker floral increase	DEF AT
11430 /11424	DEF AT local marker floral increase	DEF AT
11460 /11454	POS AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
11610 /11604	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
11910 /11904	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PI 167	<b>Date of Summary:</b> 16-OCT-2000	<b>First Sample Examined:</b> 4050
<b>Lease Number:</b> G17485	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13747
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13747
<b>API Well Number:</b> 608024000300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4050 - 13747	<b>Water Depth:</b> 1594
<b>Public Info Code:</b> Y 29-OCT-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11911 /11905	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
12660 /12654	POS IN Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
13050 /13043	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
13110 /13103	DEF AT local marker floral increase	DEF AT
13290 /13283	DEF AT local marker floral increase	DEF AT
13680 /13673	DEF AT local marker floral increase	DEF AT
13747 /13740	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 167	Date of Summary: 13-DEC-2000	First Sample Examined: 4050
Lease Number: G17485	Source of Paleo: OPERATOR	Borehole MD: 13747
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13747
API Well Number: 608024000300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 4050 - 13747	Water Depth: 1594
Public Info Code: Y 29-OCT-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4050 / 4049	DEF AT first sample examined	DEF AT 5
4051 / 4050	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
4140 / 4139	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
4290 / 4289	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 5
4500 / 4499	DEF AT pyrite	DEF AT 5
4530 / 4529	DEF AT local marker foram increase	DEF AT 5
4560 / 4559	DEF AT -----	DEF AT 4
4650 / 4649	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
4710 / 4709	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
4740 / 4739	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
4800 / 4799	DEF AT limestone	DEF AT 4
4830 / 4829	DEF AT -----	DEF AT 5
4920 / 4919	DEF AT -----	DEF AT 4
5070 / 5069	POS AT local marker (general)	DEF AT 4
5400 / 5399	DEF AT -----	DEF AT 0
5430 / 5429	DEF AT -----	DEF AT 4
5670 / 5669	DEF AT local marker foram increase	DEF AT 4
5730 / 5729	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
5850 / 5849	DEF AT -----	DEF AT 5
5880 / 5879	DEF AT limestone	DEF AT 4
5940 / 5939	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
6030 / 6029	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PI 167	<b>Date of Summary:</b> 13-DEC-2000	<b>First Sample Examined:</b> 4050
<b>Lease Number:</b> G17485	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13747
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13747
<b>API Well Number:</b> 608024000300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4050 - 13747	<b>Water Depth:</b> 1594
<b>Public Info Code:</b> Y 29-OCT-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6060 / 6059	DEF AT sand	DEF AT 4
6120 / 6119	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
6240 / 6239	DEF AT local marker planktic foram increase	DEF AT 5
6420 / 6419	DEF AT local marker foram increase	DEF AT 5
6600 / 6599	DEF AT -----	DEF AT 0
6630 / 6629	DEF AT -----	DEF AT 5
6690 / 6689	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
6840 / 6838	DEF AT -----	DEF AT 0
6900 / 6898	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
6960 / 6958	POS AT local marker foram increase	DEF AT 5
7050 / 7048	DEF AT -----	DEF AT 0
7140 / 7138	DEF AT -----	DEF AT 5
7229 / 7227	DEF AT limestone	DEF AT 5
7230 / 7228	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
7470 / 7468	DEF AT pyrite	DEF AT 5
7550 / 7548	DEF AT cement	DEF AT 5
7770 / 7768	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
7830 / 7828	DEF AT limestone	DEF AT 5
7890 / 7888	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
8280 / 8277	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
8340 / 8337	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
8490 / 8487	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5
8520 / 8517	DEF AT foram flood	DEF AT 5
8760 / 8757	DEF AT local marker foram increase	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 167  
Lease Number: G17485  
Well Name: 001  
API Well Number: 608024000300  
Paleo Report Num: 2 of 2  
Public Info Code: Y 29-OCT-2002

Date of Summary: 13-DEC-2000  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 4050 - 13747  
Ecozone Eq MMS: Y

First Sample Examined: 4050  
Borehole MD: 13747  
Borehole TVD: 13747  
Rkb Elevation: 85  
Water Depth: 1594  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8790 / 8786	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
9300 / 9295	POS AT local marker foram increase	DEF AT 5
9450 / 9445	DEF AT local marker foram increase	DEF AT 5
9570 / 9565	DEF AT Arenaceous fauna (local marker)	DEF AT 5
9600 / 9595	DEF AT local marker planktic foram increase	DEF AT 5
9720 / 9715	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
9839 / 9834	DEF AT limestone	DEF AT 5
9840 / 9835	POS AT local marker foram increase	DEF AT 5
9900 / 9895	DEF AT local marker planktic foram increase	DEF AT 5
10020 /10014	DEF AT cement	DEF AT 5
10050 /10044	DEF AT local marker planktic foram increase	DEF AT 5
10290 /10284	POS AT local marker foram increase	DEF AT 5
10530 /10524	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
10650 /10644	POS AT local marker foram increase	DEF AT 5
11160 /11154	POS AT local marker foram increase	DEF AT 5
11430 /11424	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
12060 /12054	DEF AT local marker foram increase	DEF AT 5
12210 /12204	DEF AT local marker (general)	DEF AT 5
12570 /12564	DEF AT faunal change (no faunal increase)	DEF AT 5
12660 /12654	POS AT Arenaceous fauna (local marker)	DEF AT 5
12690 /12684	DEF AT -----	DEF AT 0
12720 /12714	DEF AT -----	DEF AT 5
12840 /12834	POS AT local marker foram increase	DEF AT 5
12960 /12954	POS AT local marker foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 167	Date of Summary: 13-DEC-2000	First Sample Examined: 4050
Lease Number: G17485	Source of Paleo: OPERATOR	Borehole MD: 13747
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13747
API Well Number: 608024000300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 4050 - 13747	Water Depth: 1594
Public Info Code: Y 29-OCT-2002	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13170 /13163	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 5
13410 /13403	DEF AT -----	DEF AT 4
13440 /13433	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
13470 /13463	DEF AT -----	DEF AT 5
13560 /13553	DEF AT local marker foram increase	DEF AT 4
13590 /13583	DEF AT -----	DEF IN 3
13650 /13643	DEF AT -----	DEF AT 4
13747 /13740	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 17-OCT-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6150 / 6149	DEF AT first sample examined	DEF AT
6151 / 6150	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
6180 / 6179	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
6210 / 6209	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
6360 / 6359	DEF AT floral flood	DEF AT
6450 / 6449	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
6510 / 6509	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
6630 / 6629	DEF AT reworked material	DEF AT
6690 / 6689	DEF AT reworked material	DEF AT
6720 / 6719	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
6750 / 6749	DEF AT floral flood	DEF AT
6810 / 6809	DEF AT local marker floral increase	DEF AT
6930 / 6929	DEF AT local marker floral increase	DEF AT
7080 / 7079	DEF AT local marker floral increase	DEF AT
7110 / 7109	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
7290 / 7289	DEF AT Lower Miocene (Aquitainian) Discoaster saundersi	DEF AT
7410 / 7409	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
7440 / 7439	DEF AT reworked material	DEF AT
8070 / 8069	DEF AT local marker floral increase	DEF AT
8100 / 8099	DEF AT reworked material	DEF AT
8190 / 8189	DEF AT floral flood	DEF AT
8220 / 8219	DEF AT reworked material	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 17-OCT-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8310 / 8309	DEF AT local marker floral increase	DEF AT
8400 / 8399	DEF AT reworked material	DEF AT
8550 / 8549	DEF AT local marker floral increase	DEF AT
8630 / 8629	DEF AT floral flood	DEF AT
8810 / 8809	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
8870 / 8869	DEF AT floral flood	DEF AT
9020 / 9019	DEF AT floral flood	DEF AT
9680 / 9679	DEF AT local marker floral increase	DEF AT
9919 / 9918	DEF AT floral flood	DEF AT
9920 / 9919	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
10220 /10219	DEF AT local marker floral increase	DEF AT
10400 /10399	DEF AT local marker floral increase	DEF AT
10580 /10579	DEF AT local marker floral increase	DEF AT
10910 /10909	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
11150 /11149	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
11620 /11619	DEF AT local marker floral increase	DEF AT
11860 /11859	DEF AT local marker floral increase	DEF AT
11890 /11889	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
12100 /12099	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
12190 /12189	DEF AT local marker floral increase	DEF AT
12490 /12489	DEF AT floral flood	DEF AT
12700 /12699	DEF AT floral flood	DEF AT
13000 /12999	DEF AT floral flood	DEF AT
13240 /13239	DEF AT floral flood	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 17-OCT-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13450 /13449	DEF AT local marker floral increase	DEF AT
13510 /13509	DEF AT local marker floral increase	DEF AT
13720 /13719	DEF AT local marker floral increase	DEF AT
13810 /13809	DEF AT floral flood	DEF AT
14080 /14079	DEF AT floral flood	DEF AT
14440 /14439	DEF AT floral flood	DEF AT
14770 /14769	DEF AT floral flood	DEF AT
14860 /14859	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
14980 /14979	DEF AT local marker floral increase	DEF AT
15100 /15099	DEF AT local marker floral increase	DEF AT
15250 /15249	DEF AT local marker floral increase	DEF AT
15310 /15309	DEF AT floral flood	DEF AT
15400 /15399	DEF AT floral flood	DEF AT
15490 /15489	DEF AT local marker floral increase	DEF AT
15760 /15759	DEF AT local marker floral increase	DEF AT
15880 /15879	DEF AT local marker floral increase	DEF AT
16150 /16149	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16510 /16509	DEF AT local marker floral increase	DEF AT
16750 /16749	DEF AT local marker floral increase	DEF AT
16960 /16959	DEF AT local marker floral increase	DEF AT
17080 /17079	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
17230 /17229	DEF AT local marker floral increase	DEF AT
17290 /17289	DEF AT local marker floral increase	DEF AT
17980 /17979	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 04-NOV-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 6540=Middle Miocene Globorotalia transitoria, 7290=Lower Miocene Uvigerina mexicana, 7470=7830=8130=gray-green siltstone influx, 8430=Lower Miocene Transversigerina tenua, 8600=Lower Miocene Catapsyrax dissimilis increase, 8690=minor gray-green carbonate influx, 8900=Uvigerina rustica acme, 8930=Uvigerina hispida acme with Lenticulina and pyrite increase, 9050=Uvigerina mexicana/Lenticulina americana acme, 9800=pyrite influx and diatoms, 10880=Upper Oligocene Uvigerina israelkyi, 11950=Upper Oligocene Anomalinoidea anahuacana, 12220=Uvigerina israelkyi acme, 12820=Uvigerina stephensoni fauna

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6150 / 6149	DEF AT first sample examined	DEF IN 4
6151 / 6150	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
6180 / 6179	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
6240 / 6239	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
6300 / 6299	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
6330 / 6329	DEF AT foram flood	DEF IN 4
6420 / 6419	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
6480 / 6479	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
6540 / 6539	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
6660 / 6659	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
6719 / 6718	DEF AT condensed section	DEF IN 4
6720 / 6719	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4
6780 / 6779	DEF AT limestone	DEF IN 4
6870 / 6869	DEF AT limestone	DEF IN 4
6930 / 6929	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 4
6960 / 6959	DEF AT pyrite	DEF IN 4
7019 / 7018	DEF AT pyrite	DEF IN 4
7020 / 7019	DEF AT local marker foram decrease	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 04-NOV-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7170 / 7169	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
7290 / 7289	DEF AT local marker foram increase	DEF IN 4
7380 / 7379	DEF AT local marker foram decrease	DEF IN 4
7710 / 7709	DEF AT local marker foram decrease	DEF IN 4
7740 / 7739	DEF AT pyrite	DEF IN 4
8190 / 8189	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF IN 4
8310 / 8309	DEF AT local marker foram decrease	DEF IN 4
8430 / 8429	DEF AT local marker foram increase	DEF IN 4
8550 / 8549	DEF AT local marker foram increase	DEF IN 4
8580 / 8579	DEF AT pyrite	DEF IN 4
8600 / 8599	DEF AT local marker planktic foram increase	DEF IN 4
8630 / 8629	DEF AT pyrite	DEF IN 4
8690 / 8689	POS AT limestone	DEF IN 4
8720 / 8719	DEF AT faunal change (no faunal increase)	DEF AT 4
8749 / 8748	DEF AT pyrite	DEF IN 4
8750 / 8749	DEF AT Lower Miocene (Aquitanean) Globorotalia kugleri	DEF IN 4
8900 / 8899	DEF AT local marker foram increase	DEF AT 4
8930 / 8929	DEF AT local marker foram increase	DEF AT 4
9020 / 9019	DEF AT limestone	DEF AT 4
9050 / 9049	DEF AT local marker foram increase	DEF AT 4
9080 / 9079	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9109 / 9108	DEF AT pyrite	DEF AT 4
9110 / 9109	DEF AT limestone	DEF AT 4
9260 / 9259	DEF AT pyrite	DEF AT 4

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 04-NOV-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9289 / 9288	DEF AT siltstone	DEF IN 4
9290 / 9289	DEF AT Arenaceous fauna (local marker)	DEF IN 4
9320 / 9319	DEF AT limestone	DEF IN 4
9380 / 9379	DEF AT pyrite	DEF IN 4
9529 / 9528	DEF AT pyrite	DEF IN 4
9530 / 9529	DEF AT faunal change (no faunal increase)	DEF IN 4
9620 / 9619	POS AT glauconite	DEF IN 4
9680 / 9679	DEF AT pyrite	DEF IN 4
9800 / 9799	DEF AT pyrite	DEF IN 4
9830 / 9829	DEF AT siltstone	DEF IN 4
10039 /10038	DEF AT pyrite	DEF IN 4
10040 /10039	DEF AT Arenaceous fauna (local marker)	DEF IN 4
10070 /10069	DEF AT pyrite	DEF IN 4
10250 /10249	DEF AT pyrite	DEF IN 4
10310 /10309	DEF AT Cyclammina cancellata (local marker)	DEF IN 4
10460 /10459	DEF AT pyrite	DEF IN 4
10490 /10489	DEF AT faunal change (no faunal increase)	DEF IN 4
10520 /10519	DEF AT turbid water facies	DEF AT
10550 /10549	DEF AT local marker foram increase	DEF IN 4
10580 /10579	DEF AT pyrite	DEF IN 4
10640 /10639	DEF AT siltstone	DEF IN 4
10760 /10759	DEF AT pyrite	DEF IN 4
10880 /10879	DEF AT Upper Oligocene (Chattian) Bolivina perca	DEF IN 4
11150 /11149	DEF IN Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 04-NOV-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11240 /11239	DEF AT siltstone	DEF IN 4
11270 /11269	DEF AT local marker planktic foram increase	DEF IN 4
11359 /11358	DEF AT pyrite	DEF IN 4
11360 /11359	DEF AT Arenaceous fauna (local marker)	DEF IN 4
11390 /11389	DEF AT faunal change (no faunal increase)	DEF IN 4
11450 /11449	DEF AT local marker planktic foram increase	DEF IN 4
11500 /11499	DEF AT local marker planktic foram increase	DEF IN 4
11530 /11529	DEF AT pyrite	DEF IN 4
11649 /11648	DEF AT pyrite	DEF IN 4
11650 /11649	DEF AT local marker planktic foram increase	DEF IN 4
11710 /11709	DEF AT pyrite	DEF IN 4
11860 /11859	DEF AT local marker planktic foram increase	DEF IN 4
11890 /11889	DEF AT local marker foram increase	DEF IN 4
11920 /11919	DEF AT local marker (general)	DEF IN 4
11950 /11949	DEF AT local marker foram increase	DEF IN 4
11979 /11978	DEF AT pyrite	DEF IN 4
11980 /11979	DEF AT foram flood	DEF IN 4
12070 /12069	DEF AT local marker foram increase	DEF IN 4
12220 /12219	DEF AT local marker foram increase	DEF IN 4
12400 /12399	DEF AT pyrite	DEF IN 4
12430 /12429	DEF AT local marker foram increase	DEF IN 4
12489 /12488	DEF AT pyrite	DEF IN 4
12490 /12489	DEF AT foram flood	DEF IN 4
12639 /12638	DEF AT pyrite	DEF IN 4

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 04-NOV-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12640 /12639	DEF AT foram flood	DEF IN 4
12730 /12729	DEF AT local marker foram decrease	DEF IN 4
12760 /12759	DEF AT local marker foram increase	DEF IN 4
12820 /12819	DEF AT local marker foram increase	DEF IN 4
12850 /12849	DEF AT local marker foram increase	DEF IN 4
12880 /12879	DEF AT Arenaceous fauna (local marker)	DEF IN 4
12940 /12939	DEF AT Arenaceous fauna (local marker)	DEF IN 4
12970 /12969	DEF AT Arenaceous fauna (local marker)	DEF IN 4
13000 /12999	DEF AT condensed section	DEF IN 4
13090 /13089	DEF AT faunal change (no faunal increase)	DEF IN 4
13120 /13119	DEF AT drilling material	DEF IN 4
13210 /13209	DEF AT foram flood	DEF IN 4
13240 /13239	DEF AT foram flood	DEF IN 4
13330 /13329	DEF AT pyrite	DEF IN 4
13360 /13359	DEF AT local marker planktic foram increase	DEF IN 4
13630 /13629	DEF AT drilling material	DEF IN 4
13660 /13659	DEF AT pyrite	DEF IN 4
13780 /13779	DEF AT foram flood	DEF IN 4
13840 /13839	DEF AT condensed section	DEF IN 4
13870 /13869	DEF AT pyrite	DEF IN 4
13960 /13959	DEF AT pyrite	DEF IN 4
14080 /14079	DEF AT local marker foram increase	DEF IN 4
14140 /14139	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF IN 4
14170 /14169	DEF AT local marker foram increase	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 04-NOV-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14410 /14409	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 4
14440 /14439	DEF AT Arenaceous fauna (local marker)	DEF IN 4
14769 /14768	DEF AT condensed section	DEF IN 4
14770 /14769	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
14830 /14829	DEF AT foram flood	DEF IN 4
14980 /14979	DEF AT faunal change (no faunal increase)	DEF IN 4
15040 /15039	DEF AT drilling material	DEF IN 4
15070 /15069	DEF AT foram flood	DEF IN 4
15160 /15159	DEF AT pyrite	DEF IN 4
15220 /15219	POS AT ash	DEF IN 4
15370 /15369	DEF AT pyrite	DEF IN 4
15400 /15399	DEF AT local marker planktic foram increase	DEF IN 4
15430 /15429	DEF AT pyrite	DEF IN 4
15490 /15489	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
15520 /15519	DEF AT local marker foram increase	DEF IN 4
15550 /15549	DEF AT local marker foram decrease	DEF IN 4
15640 /15639	DEF AT local marker foram increase	DEF IN 4
15760 /15759	DEF AT foram flood	DEF IN 4
15790 /15789	DEF AT local marker foram decrease	DEF IN 4
15910 /15909	POS AT Upper Oligocene (Chattian) Bolivina mexicana	DEF IN 4
16030 /16029	DEF AT local marker foram increase	DEF IN 4
16090 /16089	DEF AT local marker foram increase	DEF IN 4
16270 /16269	DEF AT local marker foram increase	DEF IN 4
16390 /16389	POS AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 175	Date of Summary: 04-NOV-2002	First Sample Examined: 6150
Lease Number: G17490	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17999
API Well Number: 608024000400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 6150 - 18000	Water Depth: 3470
Public Info Code: Y 25-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16510 /16509	DEF AT local marker foram increase	DEF IN 4
16630 /16629	DEF AT Oligocene Vicksburg Group/Provincial Stage	DEF IN 4
16840 /16839	DEF AT local marker foram decrease	DEF IN 4
16960 /16959	DEF AT local marker planktic foram increase	DEF IN 4
17050 /17049	DEF AT Upper Oligocene (Chattian) Bolivina mexicana	DEF IN 4
17260 /17259	DEF AT foram flood	DEF IN 4
17350 /17349	DEF AT local marker foram increase	DEF IN 4
17620 /17619	DEF AT local marker foram increase	DEF IN 3
17650 /17649	DEF AT faunal change (no faunal increase)	DEF AT 4
17890 /17889	DEF AT local marker foram increase	DEF AT 4
17920 /17919	DEF AT faunal change (no faunal increase)	DEF IN 3
17950 /17949	DEF AT faunal change (no faunal increase)	DEF AT 4
18000 /17999	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 526	Date of Summary: 08-MAR-2007	First Sample Examined: 6623
Lease Number: G25702	Source of Paleo: OPERATOR	Borehole MD: 26546
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26539
API Well Number: 608024000500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 6623 - 26542	Water Depth: 3509
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Jack Hays Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6623 / 6623	DEF AT first sample examined	DEF IN 5
6624 / 6624	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
6680 / 6680	DEF AT - - - - -	DEF AT 6
6799 / 6799	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
6800 / 6800	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
6830 / 6830	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
6889 / 6889	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
6890 / 6890	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
7070 / 7070	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
7100 / 7100	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
7130 / 7130	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
7220 / 7220	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
7250 / 7250	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 6
7459 / 7459	DEF IN Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
7460 / 7460	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
7490 / 7490	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 6
7610 / 7610	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
7730 / 7730	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 6
7880 / 7880	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 6
7910 / 7910	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 6
8030 / 8030	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 526	Date of Summary: 08-MAR-2007	First Sample Examined: 6623
Lease Number: G25702	Source of Paleo: OPERATOR	Borehole MD: 26546
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26539
API Well Number: 608024000500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 6623 - 26542	Water Depth: 3509
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8120 / 8120	POS AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 6
8150 / 8150	POS AT Lower Miocene (Aquitainian) Sphenolithus capricornutus	DEF AT 6
8180 / 8180	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
8390 / 8390	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
8780 / 8780	DEF AT -----	DEF AT 4
9050 / 9050	DEF AT -----	DEF AT 5
9200 / 9200	DEF AT local marker floral increase	DEF AT 5
9289 / 9289	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 5
9290 / 9290	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 5
9740 / 9740	DEF AT Upper Oligocene (Chattian) Bolivina perca	DEF AT 5
10580 /10580	DEF AT Upper Oligocene (Chattian) Marginulina idiomorpha	DEF AT 5
10640 /10640	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
10880 /10880	DEF AT -----	DEF AT 6
10970 /10970	DEF AT -----	DEF IN 5
11059 /11059	DEF AT local marker planktic foram increase	DEF IN 5
11060 /11060	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 5
12469 /12468	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
12470 /12469	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
12860 /12859	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
15020 /15018	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
17970 /17966	DEF AT local marker floral increase	DEF IN 5
18120 /18116	DEF AT local marker floral increase	DEF IN 5
18310 /18306	DEF AT local marker floral increase	DEF IN 5
18360 /18356	DEF AT local marker floral increase	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PI 526	Date of Summary: 08-MAR-2007	First Sample Examined: 6623
Lease Number: G25702	Source of Paleo: OPERATOR	Borehole MD: 26546
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26539
API Well Number: 608024000500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 6623 - 26542	Water Depth: 3509
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18740 /18736	DEF AT local marker floral increase	DEF IN 5
19160 /19156	DEF AT local marker floral increase	DEF IN 5
20120 /20115	DEF AT reworked material	DEF IN 5
20300 /20295	DEF AT -----	DEF AT 4
22160 /22155	DEF AT -----	DEF AT 5
22400 /22395	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 4
23240 /23235	DEF AT -----	DEF AT 5
23360 /23355	DEF AT -----	DEF AT 4
23930 /23925	DEF AT -----	DEF AT 3
26542 /26535	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 9  
Lease Number: G02924  
Well Name: 005  
API Well Number: 177134018700  
Paleo Report Num: 1 of 1  
Public Info Code: Y 03-MAR-2005

Date of Summary: 25-OCT-1995  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 15536  
Borehole TVD: 14747  
Rkb Elevation: 100  
Water Depth: 35  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9810 / 9810	DEF AT Arenaceous fauna (local marker)	DEF AT
10590 /10590	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11010 /11009	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11910 /11867	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
13020 /12781	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
15300 /14564	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 10  
Lease Number: G02925  
Well Name: 009  
API Well Number: 177134003301  
Paleo Report Num: 1 of 1  
Public Info Code: Y 24-AUG-2004

Date of Summary: 07-AUG-1997  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MOBIL EXPLORATION AND PRODUCIN  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 13410  
Borehole TVD: 12487  
Rkb Elevation: 124  
Water Depth: 35  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10170 / 9856	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10920 /10472	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11190 /10692	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT
12089 /11427	DEF AT Cyclamina cancellata (local marker)	DEF AT
12090 /11428	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT
13260 /12367	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 10  
Lease Number: G02925  
Well Name: 012  
API Well Number: 177134006701  
Paleo Report Num: 1 of 1  
Public Info Code: Y 16-JAN-2004

Date of Summary: 11-JUL-1996  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 14550  
Borehole TVD: 13064  
Rkb Elevation: 98  
Water Depth: 35  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9100 / 9057	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT
10030 / 9812	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10750 /10343	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11710 /11087	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12700 /11838	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT
12730 /11859	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 10	Date of Summary: 06-APR-1983	First Sample Examined: 12250
Lease Number: G02925	Source of Paleo: OPERATOR	Borehole MD: 10541
Well Name: 019	Paleo Done By: OPERATOR	Borehole TVD: 9978
API Well Number: 177134010601	Drilling Operator: EXXONMOBIL OIL CORPORATION	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 12250 - 13390	Water Depth: 38
Public Info Code: Y 26-APR-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12250 /	DEF AT first sample examined	DEF AT
12251 /	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
12310 /	DEF AT local marker foram increase	DEF AT
12370 /	DEF AT local marker benthic foram increase	DEF AT
13240 /	DEF AT local marker deep water fauna	DEF AT
13390 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 10  
Lease Number: G02925  
Well Name: 026  
API Well Number: 177134018000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 12-MAY-2003

Date of Summary: 16-JUN-1999  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: VASTAR OFFSHORE INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 14068  
Borehole TVD: 12796  
Rkb Elevation: 101  
Water Depth: 32  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9600 / 9598	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10110 /10095	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10770 /10663	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11910 /11435	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
13050 /12168	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
13890 /12683	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 10	Date of Summary: 17-DEC-1997	First Sample Examined: 4620
Lease Number: G02925	Source of Paleo: OPERATOR	Borehole MD: 10192
Well Name: 029	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 8903
API Well Number: 177134020700	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4620 - 10170	Water Depth: 35
Public Info Code: Y 09-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Sample quality was poor over the entire interval

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4620 / 4620	DEF AT first sample examined	DEF AT 2
4860 / 4860	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
5460 / 5460	DEF AT faunal change (no faunal increase)	POS IN 3
7920 / 7866	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS IN 3
10080 / 8862	DEF AT local marker foram increase	DEF IN 3
10170 / 8895	DEF AT last sample examined	POS IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 11	Date of Summary: 30-SEP-1997	First Sample Examined: 5520
Lease Number: 00071	Source of Paleo: OPERATOR	Borehole MD: 8856
Well Name: 030	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 7333
API Well Number: 177134020600	Drilling Operator: MOBIL CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 5520 - 11400	Water Depth: 35
Public Info Code: Y 20-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5520 / 5415	DEF AT first sample examined	POS IN 3
6960 / 6282	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS IN 3
8460 / 7091	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS IN 3
10440 /	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS IN 3
11400 /	DEF AT last sample examined	POS IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 12	Date of Summary: 06-SEP-1991	First Sample Examined: 0
Lease Number: 00072	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13330
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 12340
API Well Number: 177134016900	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 15-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10510 /10350	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12330 /11617	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 12	Date of Summary: 15-MAR-1991	First Sample Examined: 0
Lease Number: 00072	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11745
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD: 11539
API Well Number: 177134016700	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 06-FEB-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11450 /11302	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 12	Date of Summary: 25-OCT-1991	First Sample Examined: 0
Lease Number: 00072	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12630
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD: 11935
API Well Number: 177134017000	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 06-NOV-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10310 /10230	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11470 /11114	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12520 /11856	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PL 12	<b>Date of Summary:</b> 16-APR-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00072	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11790
<b>Well Name:</b> F002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11428
<b>API Well Number:</b> 177134017300	<b>Drilling Operator:</b> ODECO OIL & GAS COMPANY	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 35
<b>Public Info Code:</b> Y 17-APR-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10150 /10108	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10600 /10494	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11270 /11025	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 12	Date of Summary: 17-JAN-1992	First Sample Examined: 0
Lease Number: G10835	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11564
API Well Number: 177134017200	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 13-JAN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10770 /10634	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11040 /10832	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11550 /11214	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 12  
 Lease Number: G10835  
 Well Name: 002  
 API Well Number: 177134017400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 23-MAR-2003

Date of Summary: 02-MAR-1993  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MURPHY OIL USA INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13625  
 Borehole TVD: 12847  
 Rkb Elevation: 77  
 Water Depth: 38  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7890 / 7890	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11600 /11375	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11601 /11376	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11890 /11590	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PL 15	<b>Date of Summary:</b> 19-DEC-2001	<b>First Sample Examined:</b> 11300
<b>Lease Number:</b> G09652	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11589
<b>Well Name:</b> 006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11291
<b>API Well Number:</b> 177134023500	<b>Drilling Operator:</b> BOIS D'ARC OFFSHORE LTD	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11300 - 11730	<b>Water Depth:</b> 56
<b>Public Info Code:</b> Y 03-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /11041	DEF AT first sample examined	DEF AT 4
11301 /11041	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
11730 /	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 16	Date of Summary: 24-JAN-2000	First Sample Examined: 4550
Lease Number: G21121	Source of Paleo: OPERATOR	Borehole MD: 9850
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9848
API Well Number: 177134021900	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4550 - 9850	Water Depth: 50
Public Info Code: Y 30-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4550 / 4550	DEF AT first sample examined	DEF AT 3
4640 / 4640	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
5180 / 5180	DEF AT - - - - -	DEF AT 2
6380 / 6380	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 3
6830 / 6830	POS AT local marker planktic foram increase	DEF AT 2
8160 / 8159	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 2
8580 / 8579	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
8820 / 8819	DEF AT - - - - -	DEF AT 3
9850 / 9848	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PL 17	<b>Date of Summary:</b> 02-JUL-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14533	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14523
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14523
<b>API Well Number:</b> 177134021600	<b>Drilling Operator:</b> HALL-HOUSTON OIL COMPANY	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 58
<b>Public Info Code:</b> Y 03-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9130 / 9129	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
12120 /12116	DEF AT Cyclammina sp. (local marker)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PL 19	<b>Date of Summary:</b> 20-NOV-2003	<b>First Sample Examined:</b> 5245
<b>Lease Number:</b> 00073	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10550
<b>Well Name:</b> 053	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10549
<b>API Well Number:</b> 177134024400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTION COMPANY - U	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5245 - 10550	<b>Water Depth:</b> 54
<b>Public Info Code:</b> Y 06-DEC-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5245 / 5244	DEF AT first sample examined	DEF AT 2
5305 / 5304	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
5425 / 5424	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
5935 / 5934	DEF AT - - - - -	DEF AT 2
6921 / 6920	DEF AT sample gap top	DEF AT
7250 / 7249	DEF AT sample gap bottom	DEF AT
8000 / 7999	DEF AT sample gap top	DEF AT
8159 / 8158	DEF AT sample gap bottom	DEF AT
8160 / 8159	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
9180 / 9179	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
9260 / 9259	DEF AT - - - - -	POS AT 3
9920 / 9919	DEF AT Cyclammina sp. (local marker)	DEF AT 3
10550 / 10549	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 19	Date of Summary: 17-FEB-2004	First Sample Examined: 5290
Lease Number: 00073	Source of Paleo: OPERATOR	Borehole MD: 17868
Well Name: 054	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17520
API Well Number: 177134024700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 115
Paleo Report Num: 1 of 2	Sample Range: 5290 - 17868	Water Depth: 54
Public Info Code: Y 06-DEC-2012	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
5290 / 5290	DEF AT first sample examined	DEF AT 3
5291 / 5291	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8260 / 8260	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
8610 / 8610	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
9120 / 9120	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
9990 / 9989	DEF AT Cyclamina sp. (local marker)	DEF AT 3
11850 /11846	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
12540 /12535	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
13290 /13284	DEF AT -----	DEF AT 4
13410 /13404	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
13740 /13734	DEF AT -----	DEF AT 3
14370 /14363	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
14580 /14573	DEF AT -----	DEF AT 4
15480 /15430	POS IN Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
16260 /16113	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 5
16620 /16428	DEF AT -----	DEF AT 6
17130 /16874	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
17868 /17520	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 19	Date of Summary: 17-FEB-2004	First Sample Examined: 16260
Lease Number: 00073	Source of Paleo: OPERATOR	Borehole MD: 17868
Well Name: 054	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17520
API Well Number: 177134024700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 115
Paleo Report Num: 2 of 2	Sample Range: 16260 - 17868	Water Depth: 54
Public Info Code: Y 06-DEC-2012	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16260 /16113	DEF AT first sample examined	DEF AT
16261 /16114	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17868 /17520	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 21	Date of Summary: 05-MAR-2008	First Sample Examined: 12480
Lease Number: G24977	Source of Paleo: OPERATOR	Borehole MD: 18250
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18236
API Well Number: 177134025500	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 12480 - 18240	Water Depth: 57
Public Info Code: Y 26-SEP-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12480 /12476	DEF AT first sample examined	DEF IN 3
12481 /12477	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
12870 /12866	POS AT maximum flooding surface	DEF AT 4
13200 /13196	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
13320 /13316	DEF AT - - - - -	DEF AT 3
13770 /13765	POS AT sequence boundary	DEF AT 3
14190 /14185	POS AT maximum flooding surface	DEF AT 3
14580 /14575	POS AT sequence boundary	DEF AT 3
14610 /14605	POS AT maximum flooding surface	DEF AT 3
15700 /15695	POS AT sequence boundary	DEF AT 3
16050 /16045	POS AT maximum flooding surface	DEF AT 3
16410 /16405	POS AT sequence boundary	DEF AT 3
16650 /16645	POS AT maximum flooding surface	DEF AT 4
16740 /16735	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
17130 /17125	POS AT sequence boundary	DEF AT 4
17280 /17274	POS AT maximum flooding surface	DEF AT 4
17610 /17603	DEF AT - - - - -	DEF AT 3
18180 /18168	DEF AT - - - - -	DEF AT 4
18240 /18227	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 23	Date of Summary: 06-JAN-1997	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15690
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 15588
API Well Number: 177134019900	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 18-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14532 /14434	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PL 23	<b>Date of Summary:</b> 30-MAY-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01238	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15900
<b>Well Name:</b> C002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15714
<b>API Well Number:</b> 177134020000	<b>Drilling Operator:</b> STONE PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 19-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14820 /14647	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15840 /15654	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 23  
 Lease Number: G01238  
 Well Name: D001  
 API Well Number: 177134020100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 02-JAN-2007

Date of Summary: 14-FEB-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: STONE PETROLEUM CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 18002  
 Borehole TVD: 17182  
 Rkb Elevation: 99  
 Water Depth: 60  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13570 /13430	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15370 /14978	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
17470 /16725	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 23  
 Lease Number: G01238  
 Well Name: D002  
 API Well Number: 177134020400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 10-JUN-2007

Date of Summary: 24-APR-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: STONE PETROLEUM CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 16940  
 Borehole TVD: 16552  
 Rkb Elevation: 99  
 Water Depth: 60  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13140 /13131	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
16080 /15821	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
16710 /16356	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PL 23	<b>Date of Summary:</b> 30-SEP-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01238	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17175
<b>Well Name:</b> D003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16589
<b>API Well Number:</b> 177134020500	<b>Drilling Operator:</b> STONE PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 13-MAR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13770 /13455	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15310 /14888	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PL 23	<b>Date of Summary:</b> 25-NOV-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01238	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 18814
<b>Well Name:</b> E001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18510
<b>API Well Number:</b> 177134020900	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 14-FEB-2008	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12690 /12688	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis /6	DEF AT
13590 /13580	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
16950 /16763	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PL 25	Date of Summary: 13-AUG-1997	First Sample Examined: 9770
Lease Number: G14535	Source of Paleo: OPERATOR	Borehole MD: 17512
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 17493
API Well Number: 177134019800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9770 - 17512	Water Depth: 65
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 9763	DEF AT first sample examined	DEF AT 2
10090 /10083	DEF AT - - - - -	DEF IN 2
10960 /10953	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
11050 /11043	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 3
12490 /12482	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 3
14950 /14940	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 3
16420 /16404	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 3
16750 /16733	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 3
17170 /17152	DEF AT - - - - -	DEF AT 4
17350 /17332	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 3
17512 /17493	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PN 887	Date of Summary: 01-SEP-2002	First Sample Examined: 4530
Lease Number: G22154	Source of Paleo: OPERATOR	Borehole MD: 19235
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 19209
API Well Number: 427014005101	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4530 - 18530	Water Depth: 122
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 8940=Upper Oligocene Ammobaculites nummus, 9210=16010=16730=18020=scour surfaces, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT first sample examined	POS AT 2
4531 / 4531	POS AT reworked material	POS AT 2
4830 / 4830	DEF AT reworked material	POS AT 2
5280 / 5279	POS AT charophytes	POS AT 2
6540 / 6539	POS IN Lower Miocene (Burdigalian) Robulus chambersi	POS AT 2
6570 / 6569	POS IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT 2
6780 / 6779	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 2
7230 / 7229	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF IN 2
7650 / 7649	DEF AT Upper Oligocene (Chattian) Cibicides jeffersonensis	DEF IN 2
8940 / 8939	DEF AT Arenaceous fauna (local marker)	DEF AT 3
9000 / 8999	DEF AT Upper Oligocene (Chattian) Bolivina perca	DEF IN 3
9209 / 9208	POS AT unconformity	DEF AT 4
9210 / 9209	DEF AT local marker planktic foram increase	DEF AT 4
9960 / 9959	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT 4
10730 /10728	POS AT local marker foram increase	DEF AT 4
12500 /12498	DEF AT local marker foram increase	DEF AT 4
14240 /14237	POS AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF IN 4
14900 /14897	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
15500 /15497	POS IN Upper Oligocene (Chattian) Marginulina texana	DEF IN 4
16010 /16007	DEF AT unconformity	DEF IN 4
16730 /16726	DEF AT unconformity	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PN 887	<b>Date of Summary:</b> 01-SEP-2002	<b>First Sample Examined:</b> 4530
<b>Lease Number:</b> G22154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19235
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 19209
<b>API Well Number:</b> 427014005101	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4530 - 18530	<b>Water Depth:</b> 122
<b>Public Info Code:</b> Y 30-SEP-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18020 /18006	DEF AT unconformity	DEF IN 4
18530 /18509	DEF AT last sample examined	DEF IN 4
18830 /18806	POS IN Upper Oligocene (Chattian) Bolivina mexicana	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PN 892	Date of Summary: 09-MAR-2000	First Sample Examined: 0
Lease Number: G08963	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8831
Well Name: JA006	Paleo Done By: OPERATOR	Borehole TVD: 7500
API Well Number: 427134009400	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 189
Public Info Code: Y 29-JAN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7650 / 6680	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PN 905	Date of Summary: 03-OCT-1997	First Sample Examined: 4050
Lease Number: G17052	Source of Paleo: OPERATOR	Borehole MD: 13964
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13959
API Well Number: 427014004800	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 4050 - 13980	Water Depth: 94
Public Info Code: Y 31-OCT-2001	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
4050 / 4050	DEF AT first sample examined	DEF AT 2
4080 / 4080	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
4470 / 4470	DEF AT - - - - -	DEF AT 1
7500 / 7500	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
7530 / 7530	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 2
7650 / 7650	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 3
7680 / 7680	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 3
8250 / 8250	DEF AT Upper Oligocene (Chattian) Discorbis gravelli	DEF AT 3
8279 / 8279	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF AT 3
8580 / 8580	DEF AT Upper Oligocene (Chattian) Cibicides jeffersonensis	DEF AT 3
8760 / 8760	DEF AT Upper Oligocene (Chattian) Bolivina perca	DEF AT 3
8910 / 8910	DEF AT Arenaceous fauna (local marker)	DEF AT 3
9030 / 9030	DEF AT Upper Oligocene (Chattian) Marginulina idiomorpha	DEF AT 3
9360 / 9360	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT 3
9450 / 9450	DEF AT Upper Oligocene (Chattian) Marginulina howei	DEF AT 3
9900 / 9900	DEF AT Bathysiphon fauna	DEF AT 3
10500 / 10500	DEF AT local marker benthic foram increase	DEF AT 3
10830 / 10830	DEF AT Upper Oligocene (Chattian) Camerina "A"	DEF AT 3
12810 / 12807	DEF AT Bathysiphon fauna	DEF AT 3
12870 / 12867	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT 3
13110 / 13106	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 3
13140 / 13136	DEF AT Upper Oligocene (Chattian) Cristellaria "H"	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PN 905	<b>Date of Summary:</b> 03-OCT-1997	<b>First Sample Examined:</b> 4050
<b>Lease Number:</b> G17052	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13964
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13959
<b>API Well Number:</b> 427014004800	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4050 - 13980	<b>Water Depth:</b> 94
<b>Public Info Code:</b> Y 31-OCT-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13620 /13615	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13680 /13675	DEF AT Upper Oligocene ( Chattian ) Marginulina texana	DEF AT 3
13980 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: PN 969	Date of Summary: 14-MAR-1990	First Sample Examined: 0
Lease Number: G05953	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6674
Well Name: JA004	Paleo Done By: OPERATOR	Borehole TVD: 4786
API Well Number: 427014003900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 27-FEB-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2366 / 1950	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
2930 / 2312	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> PN A 12	<b>Date of Summary:</b> 17-APR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G22159	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 4748
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 4748
<b>API Well Number:</b> 427134009600	<b>Drilling Operator:</b> APACHE CORPORATION	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 250
<b>Public Info Code:</b> Y 24-NOV-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4109 / 4109	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
4575 / 4575	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SA 6	Date of Summary: 12-NOV-1999	First Sample Examined: 0
Lease Number: G18121	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14240
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14240
API Well Number: 177314007200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 12-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6785 / 6785	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7250 / 7250	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8380 / 8380	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8950 / 8950	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
9820 / 9820	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
10170 /10170	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT
10650 /10650	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SA 6	Date of Summary: 14-SEP-2001	First Sample Examined: 0
Lease Number: G18121	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12049
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 9295
API Well Number: 177314007400	Drilling Operator: CHIEFTAIN INTERNATIONAL US INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 12-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10964 / 8519	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
11921 / 9199	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SA 6	Date of Summary: 23-JUL-2001	First Sample Examined: 0
Lease Number: G18121	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13441
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10801
API Well Number: 177314007302	Drilling Operator: CHIEFTAIN INTERNATIONAL US INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 12-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11330 / 9239	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT
12640 /10206	DEF IN Lower Miocene (Aquitanian) Planulina palmerae	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SA 12	Date of Summary: 22-NOV-1995	First Sample Examined: 0
Lease Number: G14590	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14485
API Well Number: 177314006800	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 34
Public Info Code: Y 12-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7499	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8430 / 8429	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8910 / 8909	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9600 / 9591	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11640 / 11284	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
12150 / 11697	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
13700 / 12969	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT
15050 / 14092	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT
15390 / 14388	DEF AT deepwater facies Abbeville Iberia	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SA 12	Date of Summary: 08-OCT-1997	First Sample Examined: 0
Lease Number: G14590	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14466
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13934
API Well Number: 177314007000	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 03-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6680 / 6520	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7370 / 7174	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9740 / 9429	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10220 / 9877	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11810 / 11390	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT
11930 / 11504	DEF AT local marker benthic foram increase	DEF AT
12380 / 11933	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
12440 / 11990	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT
13400 / 12908	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SA 12	Date of Summary: 08-MAR-1999	First Sample Examined: 0
Lease Number: G14590	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14131
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 13099
API Well Number: 177314007100	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7180 / 7084	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9870 / 9409	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10480 / 9925	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
12470 / 11654	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SA 12	Date of Summary: 30-MAY-2006	First Sample Examined: 4200
Lease Number: G22507	Source of Paleo: OPERATOR	Borehole MD: 11571
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10701
API Well Number: 177314008200	Drilling Operator: MARLIN COASTAL, LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 4200 - 11571	Water Depth: 37
Public Info Code: Y 27-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 3995	DEF AT first sample examined	DEF IN 2
4201 / 3996	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 2
4560 / 4323	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 2
5490 / 5169	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
5670 / 5333	DEF AT -----	DEF AT 3
6480 / 6066	DEF AT -----	DEF AT 2
7260 / 6767	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
7350 / 6850	DEF AT -----	DEF AT 3
10200 / 9452	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10350 / 9588	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
10590 / 9806	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
11571 / 10701	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 8	Date of Summary: 03-AUG-2001	First Sample Examined: 15990
Lease Number: G03401	Source of Paleo: OPERATOR	Borehole MD: 20550
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 19745
API Well Number: 177074081000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 15990 - 20550	Water Depth: 61
Public Info Code: Y 18-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15990 /15745	DEF AT first sample examined	DEF AT
17070 /16717	DEF AT -----	DEF AT 3
17190 /16825	DEF AT -----	DEF AT 2
17670 /17257	DEF AT -----	DEF AT 3
17730 /17311	DEF AT -----	DEF AT 2
17940 /17501	DEF AT -----	DEF AT 3
18120 /17664	DEF AT -----	DEF AT 2
18360 /17881	DEF AT -----	POS AT 1
18660 /18153	DEF AT -----	DEF AT 2
18900 /18370	DEF AT -----	DEF AT 3
18990 /18452	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
19020 /18479	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 3
19500 /18908	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
19560 /18960	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
19800 /19165	DEF AT -----	DEF AT 5
19860 /19215	DEF AT -----	DEF AT 4
19980 /19313	DEF AT -----	DEF AT 5
20100 /19407	DEF AT sample gap top	POS AT 5
20549 /19744	DEF AT sample gap bottom	POS AT 5
20550 /19745	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 11	Date of Summary: 19-NOV-1998	First Sample Examined: 0
Lease Number: G01182	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13080
Well Name: N057	Paleo Done By: OPERATOR	Borehole TVD: 12649
API Well Number: 177074074200	Drilling Operator: FORCENERGY INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 74
Public Info Code: Y 25-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8620 / 8586	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
11080 /10853	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12070 /11769	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 17	<b>Date of Summary:</b> 14-SEP-1993	<b>First Sample Examined:</b> 3530
<b>Lease Number:</b> G12886	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12090
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12090
<b>API Well Number:</b> 177074065500	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3530 - 12090	<b>Water Depth:</b> 78
<b>Public Info Code:</b> Y 09-OCT-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3530 / 3530	DEF AT first sample examined	DEF AT 1
3890 / 3890	DEF AT - - - - -	DEF AT 2
4880 / 4880	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
7780 / 7780	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
8650 / 8650	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
9190 / 9189	DEF AT - - - - -	DEF AT 3
10120 /10119	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
10990 /10989	DEF AT - - - - -	DEF AT 3
11770 /11769	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
12090 /12089	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 17	Date of Summary: 15-DEC-1997	First Sample Examined: 0
Lease Number: G12886	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12840
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11859
API Well Number: 177074072100	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 25-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8279	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 18	Date of Summary: 14-FEB-1996	First Sample Examined: 0
Lease Number: G08680	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14197
API Well Number: 177074071000	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 100
Public Info Code: Y 10-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12656 /	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
12972 /	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 18	<b>Date of Summary:</b> 07-JUN-2004	<b>First Sample Examined:</b> 10000
<b>Lease Number:</b> G08680	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16888
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16885
<b>API Well Number:</b> 177074085500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10000 - 16890	<b>Water Depth:</b> 77
<b>Public Info Code:</b> Y 04-SEP-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT first sample examined	DEF AT
12680 /12678	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
12800 /12798	DEF AT local marker floral decrease	DEF AT
13210 /13208	DEF AT local marker floral increase	DEF AT
13390 /13388	DEF AT local marker floral decrease	DEF AT
13710 /13708	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
13770 /13768	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13830 /13828	DEF AT local marker floral increase	DEF AT
14010 /14008	DEF AT local marker floral increase	DEF AT
14520 /14518	DEF AT local marker floral decrease	DEF AT
14760 /14758	DEF AT local marker floral increase	DEF AT
14940 /14938	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15000 /14998	POS AT local marker floral decrease	DEF AT
15540 /15537	DEF AT local marker floral decrease	DEF AT
16064 /16061	POS AT local marker floral increase	DEF AT
16080 /16077	DEF AT local marker floral increase	DEF AT
16320 /16317	DEF AT local marker floral decrease	DEF AT
16500 /16496	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16560 /16556	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
16860 /16856	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 18	Date of Summary: 11-JUN-2004	First Sample Examined: 10010
Lease Number: G08680	Source of Paleo: OPERATOR	Borehole MD: 16888
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16885
API Well Number: 177074085500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 2 of 2	Sample Range: 10010 - 16890	Water Depth: 77
Public Info Code: Y 04-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 /10010	DEF AT first sample examined	DEF IN 1
10011 /10011	DEF IN Pliocene	DEF IN 1
10460 /10459	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 1
10520 /10519	DEF AT local marker foram decrease	DEF IN 1
10850 /10849	DEF AT black shale	DEF IN 1
10970 /10969	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF IN 1
11030 /11029	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
11120 /11119	DEF AT local marker foram decrease	DEF AT 3
11300 /11299	DEF AT faunal change (no faunal increase)	DEF AT 2
11390 /11389	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
11510 /11509	DEF AT local marker foram decrease	DEF AT 2
11750 /11749	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF IN 1
11810 /11809	DEF AT local marker benthic foram increase	DEF AT 2
11900 /11899	DEF AT local marker foram decrease	DEF IN 1
12140 /12139	DEF AT pyrite	DEF AT 2
12260 /12259	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 1
12410 /12409	DEF AT pyrite	DEF IN 2
12440 /12439	DEF AT local marker foram decrease	DEF IN 2
12590 /12588	DEF AT faunal change (no faunal increase)	DEF AT 2
12679 /12677	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
12680 /12678	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 3
12710 /12708	DEF AT faunal change (no faunal increase)	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 18	Date of Summary: 11-JUN-2004	First Sample Examined: 10010
Lease Number: G08680	Source of Paleo: OPERATOR	Borehole MD: 16888
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16885
API Well Number: 177074085500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 2 of 2	Sample Range: 10010 - 16890	Water Depth: 77
Public Info Code: Y 04-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12770 /12768	DEF AT local marker foram decrease	DEF AT 2
13092 /13090	DEF AT cement	POS IN 1
13150 /13148	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13180 /13178	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 3
13270 /13268	DEF AT local marker foram decrease	DEF AT 3
13390 /13388	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 2
13660 /13658	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13710 /13708	DEF AT local marker benthic foram increase	DEF AT 3
13770 /13768	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
13920 /13918	DEF AT local marker foram decrease	DEF IN 3
14010 /14008	DEF AT local marker foram decrease	DEF AT 3
14100 /14098	DEF AT local marker planktic foram increase	DEF IN 3
14130 /14128	DEF AT local marker foram decrease	DEF IN 3
14219 /14217	DEF AT pyrite	DEF IN 3
14220 /14218	DEF AT local marker benthic foram increase	DEF IN 3
14250 /14248	DEF AT local marker foram decrease	DEF IN 3
14400 /14398	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
14490 /14488	DEF AT pyrite	DEF IN 3
14550 /14548	DEF AT local marker foram decrease	DEF IN 3
14760 /14758	DEF AT local marker benthic foram increase	DEF AT 3
14790 /14788	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
14940 /14938	DEF AT local marker foram decrease	DEF AT 3
15240 /15238	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
15269 /15267	DEF AT foram flood	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 18	<b>Date of Summary:</b> 11-JUN-2004	<b>First Sample Examined:</b> 10010
<b>Lease Number:</b> G08680	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16888
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16885
<b>API Well Number:</b> 177074085500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10010 - 16890	<b>Water Depth:</b> 77
<b>Public Info Code:</b> Y 04-SEP-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15270 /15268	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 3
15360 /15358	DEF AT local marker foram decrease	DEF AT 3
15540 /15537	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
15570 /15567	DEF AT local marker foram decrease	DEF AT 3
15600 /15597	DEF AT Eggerella sp. (local marker)	DEF AT 3
15930 /15927	DEF AT Eggerella sp. (local marker)	DEF IN 3
16020 /16017	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
16140 /16137	DEF AT foram flood	DEF AT 4
16260 /16257	DEF AT local marker foram decrease	DEF IN 3
16440 /16437	DEF AT Eggerella sp. (local marker)	DEF AT 4
16679 /16675	DEF AT local marker planktic foram increase	DEF AT 4
16680 /16676	DEF AT Bathysiphon fauna	DEF AT 4
16830 /16826	DEF AT faunal change (no faunal increase)	POS AT 4
16890 /	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 22  
Lease Number: 00777  
Well Name: B007  
API Well Number: 177074066400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 27-FEB-2004

Date of Summary: 06-AUG-1997  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: PENNZENERGY COMPANY  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 15030  
Borehole TVD: 14016  
Rkb Elevation: 98  
Water Depth: 82  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8120 / 8119	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
8840 / 8839	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9980 / 9979	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11120 /11057	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
12950 /12440	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT
14589 /13668	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
14944 /13947	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 23	Date of Summary: 23-SEP-1992	First Sample Examined: 10000
Lease Number: 00778	Source of Paleo: OPERATOR	Borehole MD: 14714
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 14469
API Well Number: 177074022301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 10000 - 14680	Water Depth: 83
Public Info Code: Y 16-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9814	DEF AT first sample examined	DEF AT 1
10570 /10345	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
11050 /10810	DEF AT -----	DEF AT 2
14290 /14045	DEF AT -----	DEF AT 3
14410 /14165	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
14680 /14435	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 23	Date of Summary: 29-AUG-1991	First Sample Examined: 8000
Lease Number: 00778	Source of Paleo: OPERATOR	Borehole MD: 17548
Well Name: H005	Paleo Done By: OPERATOR	Borehole TVD: 17543
API Well Number: 177074059800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 5600 - 16550	Water Depth: 80
Public Info Code: Y 08-NOV-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 1
8110 / 8109	DEF AT -----	DEF AT 2
8810 / 8809	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
9500 / 9499	DEF AT -----	DEF AT 2
11000 /10999	DEF AT -----	DEF AT 3
14360 /14359	DEF AT -----	DEF AT 2
14600 /14599	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
16550 /16546	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 23  
 Lease Number: 00778  
 Well Name: H006  
 API Well Number: 177074065000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 21-AUG-2003

Date of Summary: 01-NOV-1993  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: PENNZENERGY COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13512  
 Borehole TVD: 12137  
 Rkb Elevation: 118  
 Water Depth: 80  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9320 / 8567	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12320 /11124	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
13220 /11890	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 23  
Lease Number: 00778  
Well Name: H007  
API Well Number: 177074065400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 26-SEP-2003

Date of Summary: 04-NOV-1993  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: PENNZENERGY COMPANY  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 13035  
Borehole TVD: 12046  
Rkb Elevation: 138  
Water Depth: 79  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5410 / 5092	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9250 / 8590	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
9370 / 8700	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12070 /11154	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
12910 /11931	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 23	Date of Summary: 18-JUN-1998	First Sample Examined: 4510
Lease Number: 00778	Source of Paleo: OPERATOR	Borehole MD: 20716
Well Name: J001	Paleo Done By: OPERATOR	Borehole TVD: 19202
API Well Number: 177074077300	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 4510 - 20433	Water Depth: 79
Public Info Code: Y 26-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4510 / 4509	DEF AT first sample examined	DEF AT 1
5020 / 5019	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
5230 / 5229	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 1
7690 / 7689	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 1
7810 / 7809	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 1
8200 / 8199	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 1
9730 / 9729	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
10420 /10419	DEF AT - - - - -	DEF AT 2
10930 /10929	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
11680 /11679	DEF AT - - - - -	DEF AT 3
12790 /12786	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
13330 /13314	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
13720 /13690	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
13900 /13861	DEF AT - - - - -	DEF AT 4
16300 /15779	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 4
18820 /17716	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
20380 /18940	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
20433 /18981	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 27	Date of Summary: 19-OCT-1999	First Sample Examined: 0
Lease Number: G01187	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12326
Well Name: A012	Paleo Done By: OPERATOR	Borehole TVD: 10839
API Well Number: 177074077800	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 04-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8490 / 7622	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10840 / 9575	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 35	Date of Summary: 28-JUN-2001	First Sample Examined: 0
Lease Number: G21614	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14590
API Well Number: 177074081100	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 84
Public Info Code: Y 22-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14288 /14249	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 36	Date of Summary: 02-SEP-1992	First Sample Examined: 0
Lease Number: G07699	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15748
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 14614
API Well Number: 177074062400	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 95
Public Info Code: Y 18-NOV-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11384 /10947	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 36	<b>Date of Summary:</b> 02-SEP-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07699	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16391
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13905
<b>API Well Number:</b> 177074062700	<b>Drilling Operator:</b> WALTER OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 126
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 95
<b>Public Info Code:</b> Y 23-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11724 /11052	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 37	Date of Summary: 23-JAN-1998	First Sample Examined: 0
Lease Number: G07700	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14000
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 13248
API Well Number: 177074062800	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 97
Public Info Code: Y 06-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8080 / 8074	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9730 / 9567	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
11920 / 11322	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 37	Date of Summary: 25-SEP-1995	First Sample Examined: 0
Lease Number: G07700	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10900
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 10194
API Well Number: 177074063300	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 97
Public Info Code: Y 23-OCT-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8745 / 8562	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 39	Date of Summary: 25-MAR-1999	First Sample Examined: 0
Lease Number: G16320	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14920
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14850
API Well Number: 177074077000	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 14-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /11296	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
12590 /12578	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 39	Date of Summary: 25-MAR-1999	First Sample Examined: 0
Lease Number: G16320	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10714
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 10651
API Well Number: 177074076100	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 94
Public Info Code: Y 20-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9255 / 9204	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 39	Date of Summary: 16-JUL-1999	First Sample Examined: 0
Lease Number: G16320	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11220
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 10201
API Well Number: 177074077900	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 94
Public Info Code: Y 03-MAR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8974 / 8249	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 40  
Lease Number: G13607  
Well Name: 002  
API Well Number: 177074070200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 26-JAN-2006

Date of Summary: 10-NOV-1995  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: XTO OFFSHORE INC  
Sample Range: 15430 - 20320  
Ecozone Eq MMS: N

First Sample Examined: 15430  
Borehole MD: 20320  
Borehole TVD: 20300  
Rkb Elevation: 120  
Water Depth: 97  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15430 /15427	DEF AT first sample examined	POS AT 2
15520 /15517	DEF AT -----	DEF AT 2
15580 /15577	DEF AT -----	DEF IN 2
15790 /15787	DEF AT Eggerella sp. (local marker)	DEF IN 2
15880 /15877	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 2
15910 /15907	DEF AT -----	DEF AT 2
16000 /15997	DEF AT -----	DEF IN 2
16090 /16087	DEF AT -----	DEF AT 2
16150 /16147	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 2
16300 /16296	DEF AT -----	DEF AT 2
16510 /16506	DEF AT local marker benthic foram increase	DEF IN 3
16540 /16536	DEF AT -----	DEF IN 2
16569 /16565	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 3
16570 /16566	POS AT Upper Miocene (Tortonian) Textularia 6	DEF IN 3
16660 /16656	DEF AT -----	DEF AT 3
17020 /17015	DEF AT -----	DEF IN 3
17050 /17045	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 3
17080 /17075	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 3
17260 /17255	DEF AT -----	DEF AT 3
17590 /17584	DEF AT -----	DEF IN 2
17650 /17644	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
17740 /17733	DEF AT local marker benthic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 40  
Lease Number: G13607  
Well Name: 002  
API Well Number: 177074070200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 26-JAN-2006

Date of Summary: 10-NOV-1995  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: XTO OFFSHORE INC  
Sample Range: 15430 - 20320  
Ecozone Eq MMS: N

First Sample Examined: 15430  
Borehole MD: 20320  
Borehole TVD: 20300  
Rkb Elevation: 120  
Water Depth: 97  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17860 /17853	DEF AT -----	DEF AT 3
17890 /17883	DEF AT local marker planktic foram increase	DEF AT 3
18220 /18209	DEF AT -----	DEF IN 2
18250 /18239	DEF AT -----	DEF AT 4
18280 /18269	DEF AT -----	DEF IN 2
18370 /18358	DEF AT -----	DEF IN 3
18400 /18387	DEF AT -----	DEF AT 4
18430 /18417	DEF AT local marker planktic foram increase	DEF AT 4
18490 /18476	DEF AT local marker planktic foram increase	DEF AT 4
18580 /18565	DEF AT -----	DEF IN 3
18640 /18624	DEF AT -----	DEF AT 4
18790 /18771	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
18820 /18801	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
18880 /18860	DEF AT -----	DEF AT 4
19180 /19155	DEF AT -----	DEF IN 3
19210 /19184	DEF AT -----	DEF AT 4
19300 /19273	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 4
19330 /19302	DEF AT -----	DEF AT 5
19420 /19391	DEF AT -----	DEF IN 4
19480 /19450	DEF AT Cyclammia cancellata (local marker)	DEF IN 4
19630 /19597	DEF AT -----	DEF AT 5
20320 /20274	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 40	Date of Summary: 12-APR-1993	First Sample Examined: 11421
Lease Number: G13607	Source of Paleo: OPERATOR	Borehole MD: 17478
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 17465
API Well Number: 177074063600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 5030 - 17477	Water Depth: 97
Public Info Code: Y 20-FEB-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5030 / 5030	DEF AT first sample examined	DEF AT
12010 /12010	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13888 /13888	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
17477 /17465	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 58	Date of Summary: 30-JUN-1994	First Sample Examined: 12900
Lease Number: G01194	Source of Paleo: OPERATOR	Borehole MD: 15200
Well Name: JA008	Paleo Done By: OPERATOR	Borehole TVD: 13368
API Well Number: 177074066600	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 12900 - 15924	Water Depth: 127
Public Info Code: Y 13-MAR-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /11647	DEF AT first sample examined	DEF AT
13020 /11749	DEF AT local marker foram increase	DEF AT 2
13290 /11977	DEF AT local marker foram increase	DEF AT 3
13920 /12486	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
14310 /12777	DEF AT local marker foram increase	DEF AT 2
15220 /	DEF AT local marker foram increase	DEF AT 3
15406 /	DEF AT local marker foram increase	DEF AT 3
15560 /	DEF AT local marker foram increase	DEF AT 2
15924 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 59	Date of Summary: 31-MAR-1999	First Sample Examined: 0
Lease Number: G12891	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16157
Well Name: JB002	Paleo Done By: OPERATOR	Borehole TVD: 14951
API Well Number: 177074067900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 127
Public Info Code: Y 10-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11692 /10660	POS AT Miocene	DEF AT
12045 /11005	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12355 /11311	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12620 /11575	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
12868 /11823	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
13700 /12646	POS AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 61	<b>Date of Summary:</b> 26-AUG-1996	<b>First Sample Examined:</b> 4630
<b>Lease Number:</b> G01196	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13257
<b>Well Name:</b> B009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12640
<b>API Well Number:</b> 177074071100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4630 - 13257	<b>Water Depth:</b> 124
<b>Public Info Code:</b> Y 23-FEB-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4630 / 4502	DEF AT first sample examined	DEF AT
4990 / 4839	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6430 / 6183	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8230 / 7864	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12880 /12264	DEF AT -----	DEF AT 3
12910 /12294	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
13150 /12533	DEF AT -----	DEF AT 2
13210 /12593	DEF AT -----	DEF AT 3
13257 /12640	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 61	Date of Summary: 20-SEP-1996	First Sample Examined: 4630
Lease Number: G01196	Source of Paleo: OPERATOR	Borehole MD: 18477
Well Name: B010	Paleo Done By: OPERATOR	Borehole TVD: 15697
API Well Number: 177074071300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 4630 - 18477	Water Depth: 124
Public Info Code: Y 07-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4630 / 4514	DEF AT first sample examined	DEF AT 1
5050 / 4874	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 1
5290 / 5077	DEF AT -----	DEF AT 2
5340 / 5120	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
5460 / 5221	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
5610 / 5348	DEF AT -----	DEF AT 1
6420 / 6027	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 1
7430 / 6877	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7490 / 6927	DEF AT -----	DEF AT 2
7610 / 7029	DEF AT -----	DEF AT 4
8210 / 7538	DEF AT -----	DEF AT 2
9230 / 8404	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 2
12860 /11439	DEF AT -----	DEF AT 3
12950 /11509	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
13700 /12090	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 3
14630 /12825	DEF AT -----	DEF AT 2
14840 /12994	DEF AT -----	DEF AT 3
16310 /14130	DEF AT -----	DEF AT 2
16910 /14573	DEF AT -----	DEF AT 1
17450 /14966	DEF AT -----	DEF AT 2
18477 /15697	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 61	Date of Summary: 26-FEB-1996	First Sample Examined: 5000
Lease Number: G01196	Source of Paleo: OPERATOR	Borehole MD: 11884
Well Name: F004	Paleo Done By: OPERATOR	Borehole TVD: 8860
API Well Number: 177074069000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5000 - 11870	Water Depth: 120
Public Info Code: Y 06-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 3797	DEF AT first sample examined	DEF AT
5660 / 4127	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6020 / 4305	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9320 / 6518	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10100 / 7291	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11870 / 8849	DEF AT last sample examined	DEF AT



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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 61	Date of Summary: 24-AUG-1996	First Sample Examined: 4970
Lease Number: G01196	Source of Paleo: OPERATOR	Borehole MD: 11864
Well Name: F005	Paleo Done By: OPERATOR	Borehole TVD: 10068
API Well Number: 177074069600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 4970 - 11870	Water Depth: 122
Public Info Code: Y 14-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4970 / 4837	DEF AT first sample examined	DEF AT 1
5120 / 4970	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
5450 / 5272	DEF AT -----	DEF AT 1
6560 / 6277	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 1
6800 / 6493	DEF AT -----	DEF AT 2
6830 / 6520	DEF AT -----	DEF AT 1
7220 / 6874	DEF AT -----	DEF AT 2
7250 / 6901	DEF AT -----	DEF AT 1
7850 / 7443	DEF AT -----	DEF AT 2
8900 / 8365	DEF AT -----	DEF AT 1
9530 / 8879	DEF AT -----	DEF AT 2
10070 / 9231	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
10280 / 9342	DEF AT -----	DEF AT 1
10790 / 9596	DEF AT -----	DEF AT 2
11870 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 61	Date of Summary: 26-FEB-1996	First Sample Examined: 9270
Lease Number: G03145	Source of Paleo: OPERATOR	Borehole MD: 13670
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 11905
API Well Number: 177074046801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 9270 - 13670	Water Depth: 125
Public Info Code: Y 29-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9270 / 8542	DEF AT first sample examined	POS AT 1
9570 / 8781	DEF AT -----	DEF AT 1
9630 / 8824	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
10260 / 9306	DEF AT -----	DEF AT 2
10800 / 9739	DEF AT -----	DEF AT 1
11280 /10121	DEF AT -----	DEF AT 2
11700 /10458	DEF AT -----	DEF AT 1
11970 /10675	DEF AT -----	DEF AT 2
12090 /10771	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
12990 /11439	DEF AT -----	DEF AT 1
13110 /11521	DEF AT -----	DEF AT 2
13670 /11905	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 69	Date of Summary: 19-AUG-1997	First Sample Examined: 0
Lease Number: G01201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8390
Well Name: B029	Paleo Done By: OPERATOR	Borehole TVD: 8261
API Well Number: 177074053602	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 135
Public Info Code: Y 13-MAY-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5850 / 5776	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 72  
 Lease Number: G01204  
 Well Name: C009  
 API Well Number: 177084086201  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 07-SEP-2009

Date of Summary: 10-SEP-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: TAYLOR ENERGY COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9380  
 Borehole TVD: 8033  
 Rkb Elevation: 115  
 Water Depth: 137  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6310 / 5540	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7810 / 6758	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 72	Date of Summary: 07-JUL-1999	First Sample Examined: 0
Lease Number: G01204	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6409
Well Name: C010	Paleo Done By: OPERATOR	Borehole TVD: 6203
API Well Number: 177084086500	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 09-MAR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4090 / 4087	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5720 / 5604	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
5990 / 5840	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 72	Date of Summary: 14-MAY-1999	First Sample Examined: 0
Lease Number: G01204	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6504
Well Name: C011	Paleo Done By: OPERATOR	Borehole TVD: 6439
API Well Number: 177084086600	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 03-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5010 / 5004	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5700 / 5670	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6230 / 6177	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 72	Date of Summary: 26-JUL-1999	First Sample Examined: 0
Lease Number: G01205	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7126
Well Name: C006	Paleo Done By: OPERATOR	Borehole TVD: 6532
API Well Number: 177084002101	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 57
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 13-MAY-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5320 / 4920	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6065 / 5587	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6780 / 6226	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 72	<b>Date of Summary:</b> 13-AUG-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01205	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9600
<b>Well Name:</b> C008	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7830
<b>API Well Number:</b> 177084086100	<b>Drilling Operator:</b> TAYLOR ENERGY COMPANY	<b>Rkb Elevation:</b> 107
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 137
<b>Public Info Code:</b> Y 13-MAY-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5870 / 5280	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7650 / 6482	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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End Date: 01-DEC-2016

Area Block: SM 72	Date of Summary: 09-JUL-1999	First Sample Examined: 0
Lease Number: G01205	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9950
Well Name: C009	Paleo Done By: OPERATOR	Borehole TVD: 8360
API Well Number: 177084086200	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 13-MAY-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6430 / 5560	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8050 / 6846	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 73	Date of Summary: 02-JAN-2001	First Sample Examined: 0
Lease Number: G01205	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7884
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 7250
API Well Number: 177084088400	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 136
Public Info Code: Y 13-MAY-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5400 / 5189	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6320 / 5948	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7550 / 6972	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> SM 73	<b>Date of Summary:</b> 05-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01205	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9130
<b>Well Name:</b> D001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8989
<b>API Well Number:</b> 177084084300	<b>Drilling Operator:</b> TAYLOR ENERGY COMPANY	<b>Rkb Elevation:</b> 137
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 137
<b>Public Info Code:</b> Y 13-MAY-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4050 / 4033	DEF AT -----	DEF AT 2
4400 / 4371	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5450 / 5382	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 73	Date of Summary: 27-FEB-1998	First Sample Examined: 4228
Lease Number: G17935	Source of Paleo: OPERATOR	Borehole MD: 12467
Well Name: D002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11458
API Well Number: 177084084400	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 4228 - 12467	Water Depth: 137
Public Info Code: Y 22-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4228 / 4089	DEF AT first sample examined	DEF AT 2
4620 / 4436	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5040 / 4808	DEF AT sample gap top	POS AT 3
5670 / 5362	DEF AT sample gap bottom	DEF AT 3
5820 / 5495	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8040 / 7481	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9600 / 8872	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
11190 /10271	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
12467 /11458	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 78	Date of Summary: 12-OCT-1992	First Sample Examined: 9800
Lease Number: G01210	Source of Paleo: OPERATOR	Borehole MD: 16280
Well Name: B008	Paleo Done By: OPERATOR	Borehole TVD: 15001
API Well Number: 177084071500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 9800 - 16280	Water Depth: 129
Public Info Code: Y 16-MAY-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9800 / 9728	DEF AT first sample examined	DEF AT 3
12890 /12236	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
14000 /13129	DEF AT -----	DEF AT 4
14420 /13473	DEF AT -----	DEF AT 3
15770 /14579	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
16280 /15001	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 95	Date of Summary: 29-APR-1991	First Sample Examined: 0
Lease Number: 00790	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7519
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 5350
API Well Number: 177084075500	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 178
Public Info Code: Y 25-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1180 / 1164	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7345 / 5233	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 97	Date of Summary: 31-JUL-2001	First Sample Examined: 0
Lease Number: G21619	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 3125
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 1535
API Well Number: 177084089300	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 170
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1180 / 1095	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 109	<b>Date of Summary:</b> 20-OCT-2003	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G24873	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10400
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10400
<b>API Well Number:</b> 177084091500	<b>Drilling Operator:</b> XTO OFFSHORE INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6000 - 10405	<b>Water Depth:</b> 175
<b>Public Info Code:</b> Y 19-MAR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	DEF AT first sample examined	DEF AT 3
6001 / 6001	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
10403 /	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 109	<b>Date of Summary:</b> 20-NOV-2003	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G24873	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11300
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10209
<b>API Well Number:</b> 177084091600	<b>Drilling Operator:</b> XTO OFFSHORE INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6000 - 11310	<b>Water Depth:</b> 189
<b>Public Info Code:</b> Y 19-MAR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5723	DEF AT first sample examined	DEF AT 3
6090 / 5799	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
11310 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 109	Date of Summary: 16-JAN-2004	First Sample Examined: 7300
Lease Number: G24873	Source of Paleo: OPERATOR	Borehole MD: 10759
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10220
API Well Number: 177084091700	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7300 - 10755	Water Depth: 189
Public Info Code: Y 19-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7110	DEF AT first sample examined	DEF AT 3
7301 / 7111	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
9640 / 9200	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10755 /10217	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 111	Date of Summary: 01-JUL-2000	First Sample Examined: 8000
Lease Number: G15222	Source of Paleo: OPERATOR	Borehole MD: 14311
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14306
API Well Number: 177084087400	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8000 - 14312	Water Depth: 193
Public Info Code: Y 29-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 14180=first Cibicides pseudocarstensi

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 8000	DEF AT first sample examined	DEF AT 1
8001 / 8001	DEF AT pyrite	DEF AT 1
8059 / 8059	DEF AT sand	DEF AT 1
8060 / 8060	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
8210 / 8210	DEF AT sand	DEF AT 1
8269 / 8269	POS AT unconformity	DEF AT 1
8270 / 8270	DEF AT pyrite	DEF AT 1
8300 / 8300	DEF AT local marker foram increase	DEF AT 3
8360 / 8360	DEF AT sand	DEF AT 3
8361 / 8361	DEF AT limestone	DEF AT 3
8390 / 8390	DEF AT local marker foram increase	DEF AT 3
8510 / 8510	DEF AT - - - - -	DEF IN 2
8570 / 8570	DEF AT Arenaceous fauna (local marker)	DEF AT 2
8720 / 8720	DEF AT cement	DEF AT
9769 / 9769	POS AT unconformity	DEF IN 3
9770 / 9770	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 3
9860 / 9859	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF IN 3
9950 / 9949	DEF AT Eggerella sp. (local marker)	DEF AT 3
9980 / 9979	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 3
10010 /10009	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10459 /10458	DEF AT pyrite	DEF IN 2
10460 /10459	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 111	Date of Summary: 01-JUL-2000	First Sample Examined: 8000
Lease Number: G15222	Source of Paleo: OPERATOR	Borehole MD: 14311
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14306
API Well Number: 177084087400	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8000 - 14312	Water Depth: 193
Public Info Code: Y 29-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10850 /10849	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11090 /11089	DEF AT -----	DEF AT 2
11299 /11298	DEF AT unconformity	DEF AT 3
11300 /11299	DEF AT Eggerella sp. (local marker)	DEF AT 3
11360 /11359	DEF AT local marker foram increase	DEF IN 3
11480 /11479	DEF AT -----	DEF AT 3
11660 /11659	DEF AT Eggerella sp. (local marker)	DEF AT 3
11810 /11809	DEF AT cement	DEF AT 3
11900 /11899	DEF AT -----	DEF IN 2
12080 /12079	DEF AT local marker (general)	DEF AT 3
12110 /12109	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
12170 /12168	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
12350 /12348	DEF AT -----	DEF IN 2
12470 /12468	DEF AT unconformity	POS IN 3
12529 /12527	POS AT reworked material	POS AT 4
12530 /12528	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS AT 4
12560 /12558	POS AT local marker planktic foram increase	POS AT 4
12620 /12618	DEF AT Arenaceous fauna (local marker)	POS AT 4
12710 /12708	DEF AT -----	DEF IN 3
13100 /13098	DEF AT drilling material	DEF IN 3
13370 /13367	DEF AT -----	DEF AT 3
14060 /14055	POS AT local marker foram increase	DEF AT 3
14180 /14175	DEF AT local marker (general)	DEF AT 3
14312 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 123	Date of Summary: 02-SEP-1997	First Sample Examined: 3510
Lease Number: G16324	Source of Paleo: OPERATOR	Borehole MD: 15915
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15912
API Well Number: 177084083700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 98
Paleo Report Num: 1 of 2	Sample Range: 3510 - 15915	Water Depth: 202
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF AT 2
4080 / 4080	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "A")	DEF IN 2
4110 / 4110	DEF AT local marker planktic foram increase	DEF AT 3
4500 / 4500	DEF AT local marker benthic foram increase	DEF AT 3
4560 / 4560	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
4620 / 4620	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
4710 / 4710	DEF AT local marker foram decrease	DEF AT 2
6000 / 6000	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
6059 / 6059	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
6060 / 6060	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
6300 / 6300	DEF AT local marker foram decrease	DEF AT 2
7380 / 7380	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 3
7470 / 7470	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF AT 4
7680 / 7680	DEF AT local marker foram decrease	DEF AT 3
7860 / 7860	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 3
7890 / 7890	DEF AT local marker foram decrease	DEF AT 3
7950 / 7950	DEF AT Eggerella sp. (local marker)	DEF AT 3
8010 / 8010	DEF AT local marker foram decrease	DEF AT 3
8340 / 8340	DEF AT local marker benthic foram increase	DEF AT 3
8370 / 8370	DEF AT local marker foram decrease	DEF AT 3
9030 / 9029	DEF AT local marker benthic foram increase	DEF AT 3
9269 / 9268	DEF AT Eggerella sp. (local marker)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 123	<b>Date of Summary:</b> 02-SEP-1997	<b>First Sample Examined:</b> 3510
<b>Lease Number:</b> G16324	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15915
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15912
<b>API Well Number:</b> 177084083700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3510 - 15915	<b>Water Depth:</b> 202
<b>Public Info Code:</b> Y 31-AUG-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9270 / 9269	DEF AT Arenaceous fauna (local marker)	DEF AT 3
9570 / 9569	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 3
9720 / 9719	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9810 / 9809	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 3
9990 / 9989	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 3
10020 /10019	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
10440 /10439	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
10620 /10619	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
10650 /10649	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
10890 /10888	DEF AT Eggerella 3 (local marker)	DEF AT 4
10920 /10918	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
11130 /11128	DEF AT Bathysiphon fauna	DEF AT 5
11160 /11158	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
11189 /11187	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
11190 /11188	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11220 /11218	DEF AT Eggerella 3 (local marker)	DEF AT 6
12270 /12268	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
12390 /12388	DEF AT Bathysiphon fauna	DEF AT 6
12420 /12418	DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri	DEF AT 6
12600 /12598	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
12660 /12658	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12719 /12717	DEF AT Bathysiphon fauna	DEF AT 6
12720 /12718	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
12750 /12748	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 123	<b>Date of Summary:</b> 02-SEP-1997	<b>First Sample Examined:</b> 3510
<b>Lease Number:</b> G16324	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15915
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15912
<b>API Well Number:</b> 177084083700	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3510 - 15915	<b>Water Depth:</b> 202
<b>Public Info Code:</b> Y 31-AUG-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12780 /12778	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12900 /12898	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 6
13200 /13198	DEF AT local marker planktic foram increase	DEF AT 6
13380 /13378	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 5
13770 /13768	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
14190 /14188	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14279 /14277	DEF AT foram flood	DEF AT 5
14280 /14278	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
14340 /14338	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 5
14550 /14548	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 6
14580 /14578	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
15180 /15178	DEF AT local marker planktic foram increase	DEF AT 6
15690 /15688	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
15915 /15913	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 123	Date of Summary: 02-SEP-1997	First Sample Examined: 3510
Lease Number: G16324	Source of Paleo: OPERATOR	Borehole MD: 15915
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15912
API Well Number: 177084083700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 98
Paleo Report Num: 2 of 2	Sample Range: 3510 - 15915	Water Depth: 202
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF AT
3511 / 3511	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4020 / 4020	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5670 / 5670	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6030 / 6030	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6060 / 6060	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7440 / 7440	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9690 / 9689	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10950 /10948	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11130 /11128	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12360 /12358	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12780 /12778	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13680 /13678	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15180 /15178	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15689 /15687	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15690 /15688	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15915 /15913	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 125	Date of Summary: 19-DEC-1990	First Sample Examined: 0
Lease Number: G02882	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10021
Well Name: D003	Paleo Done By: OPERATOR	Borehole TVD: 9882
API Well Number: 177084074700	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 207
Public Info Code: Y 07-DEC-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1360 / 1360	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	POS IN 3
1600 / 1600	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
3490 / 3490	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 3
4570 / 4554	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 3
6640 / 6542	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 3
7690 / 7557	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7780 / 7647	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
9040 / 8902	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 3
9070 / 8932	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 133	Date of Summary: 16-APR-1993	First Sample Examined: 0
Lease Number: G11919	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7570
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7570
API Well Number: 177084077300	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 213
Public Info Code: Y 22-APR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7245 / 7244	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 137	Date of Summary: 20-AUG-1990	First Sample Examined: 8070
Lease Number: G02588	Source of Paleo: OPERATOR	Borehole MD: 10915
Well Name: A006	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 9051
API Well Number: 177084027602	Drilling Operator: CONOCO INC	Rkb Elevation: 97
Paleo Report Num: 1 of 2	Sample Range: 8070 - 10915	Water Depth: 217
Public Info Code: Y 05-SEP-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8070 / 7237	DEF AT first sample examined	POS AT 2
8071 / 7238	DEF IN cement	POS AT 2
8072 / 7239	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 2
8340 / 7441	DEF AT - - - - -	DEF AT 2
8610 / 7643	DEF AT local marker benthic foram increase	DEF AT 2
8640 / 7665	DEF AT - - - - -	DEF AT 1
8670 / 7687	DEF AT sample gap top	POS AT 1
8970 / 7888	DEF AT sample gap bottom	DEF AT 2
10169 / 8597	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 2
10170 / 8598	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 2
10915 / 9052	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 137	Date of Summary: 20-AUG-1990	First Sample Examined: 8100
Lease Number: G02588	Source of Paleo: OPERATOR	Borehole MD: 10915
Well Name: A006	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 9051
API Well Number: 177084027602	Drilling Operator: CONOCO INC	Rkb Elevation: 97
Paleo Report Num: 2 of 2	Sample Range: 8100 - 10915	Water Depth: 217
Public Info Code: Y 05-SEP-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8100 / 7260	DEF AT first sample examined	DEF AT
8640 / 7665	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
10915 / 9052	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 142	<b>Date of Summary:</b> 25-MAR-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01216	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7401
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5763
<b>API Well Number:</b> 177084082900	<b>Drilling Operator:</b> ENERGEN RESOURCES MAQ INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 230
<b>Public Info Code:</b> Y 14-DEC-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4250 / 3337	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5789 / 4447	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6350 / 4877	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 146	Date of Summary: 08-JUL-2004	First Sample Examined: 3664
Lease Number: G21106	Source of Paleo: OPERATOR	Borehole MD: 9873
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9226
API Well Number: 177084092300	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 3664 - 9870	Water Depth: 225
Public Info Code: Y 01-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3664 / 3664	DEF AT first sample examined	DEF AT 2
4320 / 4320	DEF AT -----	DEF AT 3
4350 / 4350	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4680 / 4679	DEF AT -----	DEF AT 2
5100 / 5094	DEF AT -----	DEF AT 3
5850 / 5810	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
8909 / 8409	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
8910 / 8410	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 3
8940 / 8435	DEF AT -----	DEF AT 4
9120 / 8586	DEF AT -----	DEF AT 3
9870 / 9224	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 147	<b>Date of Summary:</b> 02-JAN-1991	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G09546	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9192
<b>Well Name:</b> A003	<b>Paleo Done By:</b> MICRO-STRAT	<b>Borehole TVD:</b> 9153
<b>API Well Number:</b> 177084073500	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4000 - 8350	<b>Water Depth:</b> 237
<b>Public Info Code:</b> Y 18-AUG-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT first sample examined	DEF AT 1
4001 / 4000	POS IN condensed section	DEF AT 1
4002 / 4001	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 1
4540 / 4539	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4779 / 4778	DEF AT condensed section	DEF AT 4
4780 / 4779	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 4
5080 / 5078	DEF AT -----	DEF AT 3
5380 / 5378	DEF AT -----	DEF AT 4
5739 / 5737	DEF AT condensed section	DEF AT 4
5740 / 5738	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
5860 / 5858	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 4
6639 / 6636	DEF AT condensed section	DEF AT 4
6640 / 6637	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 4
7600 / 7573	DEF AT reworked material	DEF AT 4
7660 / 7631	DEF AT reworked material	DEF AT 4
8169 / 8133	DEF AT condensed section	DEF AT 4
8170 / 8134	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
8350 / 8312	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 155	<b>Date of Summary:</b> 17-FEB-1992	<b>First Sample Examined:</b> 4060
<b>Lease Number:</b> G04110	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11385
<b>Well Name:</b> 004	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 11382
<b>API Well Number:</b> 177084076200	<b>Drilling Operator:</b> MESA PETROLEUM CO	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4060 - 11380	<b>Water Depth:</b> 237
<b>Public Info Code:</b> Y 11-AUG-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4060 / 4058	DEF AT first sample examined	DEF AT 3
4090 / 4088	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4510 / 4508	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 2
4840 / 4838	DEF AT faunal change (no faunal increase)	DEF AT 3
5050 / 5048	DEF AT local marker benthic foram increase	DEF AT 3
7740 / 7738	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
8520 / 8518	DEF AT local marker foram decrease	DEF AT 2
8820 / 8818	POS AT local marker deep water fauna	DEF AT 3
9090 / 9088	DEF AT Eggerella sp. (local marker)	DEF AT 3
9390 / 9387	DEF AT Bathysiphon fauna	DEF AT 3
9510 / 9507	DEF AT local marker deep water fauna	DEF AT 5
9570 / 9567	DEF AT Cyclammina sp. (local marker)	DEF AT 5
9810 / 9807	DEF AT Bathysiphon fauna	DEF AT 4
9840 / 9837	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
10630 /10627	DEF AT Bathysiphon fauna	DEF AT 3
10960 /10957	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
11260 /11257	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11319 /11316	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11320 /11317	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
11349 /11346	DEF AT Bathysiphon fauna	DEF AT 4
11350 /11347	DEF AT Cyclammina sp. (local marker)	DEF AT 4
11380 /11377	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 155  
Lease Number: G04110  
Well Name: A014  
API Well Number: 177084058001  
Paleo Report Num: 1 of 1  
Public Info Code: Y 11-AUG-2000

Date of Summary: 29-AUG-1996  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: MESA INC  
Sample Range: 9000 - 11737  
Ecozone Eq MMS: Y

First Sample Examined: 9000  
Borehole MD: 11737  
Borehole TVD: 10542  
Rkb Elevation: 106  
Water Depth: 247  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 7880	DEF AT first sample examined	DEF AT 3
10290 / 9120	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
10740 / 9556	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
10770 / 9586	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
11100 / 9915	POS IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
11190 /10005	DEF AT local marker foram decrease	DEF AT 4
11220 /10034	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 4
11670 /10477	DEF AT pyrite	DEF AT 4
11737 /10542	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 155	Date of Summary: 13-MAR-1992	First Sample Examined: 4060
Lease Number: G04110	Source of Paleo: OPERATOR	Borehole MD: 11518
Well Name: A019	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 10940
API Well Number: 177084076500	Drilling Operator: MESA OPERATING LIMITED PART	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 4060 - 11470	Water Depth: 254
Public Info Code: Y 11-AUG-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4060 / 4021	DEF AT first sample examined	DEF AT 3
4061 / 4022	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5140 / 5014	DEF AT -----	DEF AT 4
5350 / 5210	DEF AT -----	DEF AT 3
5800 / 5631	DEF AT -----	DEF IN 3
6220 / 6029	DEF AT -----	DEF AT 3
7120 / 6887	DEF AT -----	DEF IN 3
8230 / 7946	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscons (acme "B")	DEF AT 3
9460 / 9074	DEF AT cement	POS AT 3
9640 / 9240	DEF AT -----	DEF AT 4
10180 / 9737	DEF AT -----	DEF AT 5
10780 /10282	DEF AT -----	DEF AT 4
11500 /10924	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 166	Date of Summary: 02-APR-2001	First Sample Examined: 0
Lease Number: G21624	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11107
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6990
API Well Number: 177084088800	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 261
Public Info Code: Y 07-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1820 / 1647	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9010 / 5349	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 169	Date of Summary: 01-MAY-1998	First Sample Examined: 4500
Lease Number: G17949	Source of Paleo: OPERATOR	Borehole MD: 12598
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12591
API Well Number: 177084085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 4500 - 12507	Water Depth: 292
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 2
4501 / 4501	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
4530 / 4530	DEF AT local marker foram increase	DEF AT 2
4560 / 4560	DEF AT pyrite	DEF AT 2
4680 / 4680	DEF AT pyrite	DEF AT 2
4860 / 4860	DEF AT pyrite	DEF AT 2
5160 / 5160	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 2
5340 / 5340	POS AT unconformity	DEF AT 3
5460 / 5460	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
5790 / 5790	DEF AT faunal change (no faunal increase)	DEF AT 2
6030 / 6030	DEF AT faunal change (no faunal increase)	DEF IN 2
6630 / 6630	DEF AT limestone	DEF IN 2
6690 / 6690	DEF AT pyrite	DEF IN 2
7050 / 7050	DEF AT faunal change (no faunal increase)	DEF AT 2
7170 / 7170	DEF AT faunal change (no faunal increase)	POS AT 3
7290 / 7290	DEF AT pyrite	DEF IN 2
7500 / 7500	DEF AT local marker foram increase	DEF IN 2
7860 / 7859	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS IN 3
7920 / 7919	DEF AT pyrite	POS IN 3
7980 / 7979	DEF AT faunal change (no faunal increase)	DEF AT 3
8280 / 8279	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
8370 / 8369	DEF AT pyrite	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 169	Date of Summary: 01-MAY-1998	First Sample Examined: 4500
Lease Number: G17949	Source of Paleo: OPERATOR	Borehole MD: 12598
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12591
API Well Number: 177084085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 4500 - 12507	Water Depth: 292
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8520 / 8519	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
8850 / 8849	DEF AT cement	DEF AT 3
9090 / 9089	DEF AT faunal change (no faunal increase)	DEF IN 3
9210 / 9209	DEF AT faunal change (no faunal increase)	DEF AT 3
9269 / 9268	POS AT unconformity	DEF AT 3
9270 / 9269	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
9330 / 9329	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 3
9840 / 9839	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	POS IN 3
9930 / 9929	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 3
9960 / 9959	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10170 /10168	POS AT unconformity	DEF AT 5
10171 /10169	DEF AT local marker deep water fauna	DEF AT 5
10200 /10198	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
10201 /10199	DEF AT pyrite	DEF AT 5
10380 /10378	DEF AT pyrite	DEF AT 5
10530 /10527	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10980 /10976	DEF AT pyrite	DEF AT 5
11130 /11126	DEF AT pyrite	DEF AT 5
11310 /11306	DEF AT local white Arenaceous fauna	DEF AT 5
11369 /11365	DEF AT pyrite	DEF AT 5
11370 /11366	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
11490 /11485	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
11730 /11725	DEF AT pyrite	DEF AT 5
11790 /11785	DEF AT faunal change (no faunal increase)	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 169	Date of Summary: 01-MAY-1998	First Sample Examined: 4500
Lease Number: G17949	Source of Paleo: OPERATOR	Borehole MD: 12598
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12591
API Well Number: 177084085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 4500 - 12507	Water Depth: 292
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11969 /11964	DEF AT pyrite	DEF AT 5
11970 /11965	DEF AT local white Arenacous fauna	DEF AT 5
12030 /12025	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12180 /12175	DEF AT local marker planktic foram increase	DEF AT 5
12360 /12355	DEF AT pyrite	DEF AT 5
12420 /12415	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12507 /12502	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 169	Date of Summary: 01-MAY-1998	First Sample Examined: 4470
Lease Number: G17949	Source of Paleo: OPERATOR	Borehole MD: 12598
Well Name: 001	Paleo Done By: MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	Borehole TVD: 12591
API Well Number: 177084085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 4470 - 12507	Water Depth: 292
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
4470 / 4470	DEF AT first sample examined	DEF AT
4471 / 4471	POS AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
4530 / 4530	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4560 / 4560	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7200 / 7200	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7860 / 7859	DEF AT local marker floral increase	DEF AT
7950 / 7949	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
8940 / 8939	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9270 / 9269	DEF AT fault	DEF AT
9299 / 9298	DEF AT local marker floral increase	DEF AT
9300 / 9299	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9330 / 9329	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9390 / 9389	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9480 / 9479	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
10170 /10168	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11610 /11605	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12060 /12055	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12120 /12115	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12300 /12295	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12360 /12355	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
12507 /12502	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 192	Date of Summary: 22-NOV-1996	First Sample Examined: 0
Lease Number: G05473	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14108
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14103
API Well Number: 177084075900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 402
Public Info Code: Y 14-JAN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6940 / 6940	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
9750 / 9749	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10740 /10738	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13260 /13256	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 192	Date of Summary: 24-AUG-2004	First Sample Examined: 8400
Lease Number: G24878	Source of Paleo: OPERATOR	Borehole MD: 16144
Well Name: A002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13700
API Well Number: 177084092400	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 8400 - 11614	Water Depth: 402
Public Info Code: Y 09-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8400 / 7348	DEF AT first sample examined	DEF AT 2
9120 / 7931	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 2
9240 / 8029	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 2
9540 / 8277	POS AT local marker planktic foram increase	DEF AT 3
9570 / 8301	DEF AT faunal change (no faunal increase)	DEF AT 4
9600 / 8326	DEF AT faunal change (no faunal increase)	DEF AT 5
9660 / 8376	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9690 / 8400	DEF AT faunal change (no faunal increase)	DEF AT 4
9750 / 8450	DEF AT faunal change (no faunal increase)	DEF IN 3
10170 / 8799	DEF AT faunal change (no faunal increase)	POS AT 4
10200 / 8824	DEF AT faunal change (no faunal increase)	DEF IN 3
10230 / 8849	DEF AT faunal change (no faunal increase)	DEF AT 4
10260 / 8875	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 4
10290 / 8900	DEF AT faunal change (no faunal increase)	DEF IN 3
10350 / 8950	DEF AT faunal change (no faunal increase)	POS AT 4
10380 / 8975	DEF AT faunal change (no faunal increase)	DEF AT 4
10500 / 9077	DEF AT faunal change (no faunal increase)	DEF AT 5
10590 / 9152	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
10740 / 9279	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10830 / 9355	DEF AT faunal change (no faunal increase)	DEF AT 4
11010 / 9506	DEF AT faunal change (no faunal increase)	DEF AT 5
11070 / 9556	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 192	<b>Date of Summary:</b> 24-AUG-2004	<b>First Sample Examined:</b> 8400
<b>Lease Number:</b> G24878	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16144
<b>Well Name:</b> A002	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 13700
<b>API Well Number:</b> 177084092400	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8400 - 11614	<b>Water Depth:</b> 402
<b>Public Info Code:</b> Y 09-SEP-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11100 / 9581	POS AT local marker benthic foram increase	DEF AT 4
11130 / 9606	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11160 / 9631	DEF AT faunal change (no faunal increase)	DEF AT 4
11190 / 9656	DEF AT faunal change (no faunal increase)	DEF AT 5
11220 / 9681	DEF AT faunal change (no faunal increase)	DEF AT 4
11370 / 9805	DEF AT faunal change (no faunal increase)	DEF AT 5
11400 / 9830	DEF AT faunal change (no faunal increase)	DEF AT 4
11580 / 9980	DEF AT faunal change (no faunal increase)	DEF AT 5
11700 /10080	DEF AT faunal change (no faunal increase)	DEF AT 4
11790 /10156	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
11910 /10256	DEF AT faunal change (no faunal increase)	DEF AT 5
11940 /10281	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
11970 /10307	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12060 /10382	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
12090 /10407	DEF AT faunal change (no faunal increase)	DEF AT 6
12120 /10432	DEF AT faunal change (no faunal increase)	DEF AT 5
12150 /10458	DEF AT faunal change (no faunal increase)	DEF AT 6
12180 /10483	DEF AT faunal change (no faunal increase)	DEF AT 5
12360 /10634	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 5
12930 /11103	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 3
12990 /11150	DEF AT faunal change (no faunal increase)	POS IN 3
13080 /11222	DEF AT faunal change (no faunal increase)	POS AT 3
13440 /11509	DEF IN Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	POS AT 4
13470 /11533	DEF AT faunal change (no faunal increase)	POS AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 192	Date of Summary: 24-AUG-2004	First Sample Examined: 8400
Lease Number: G24878	Source of Paleo: OPERATOR	Borehole MD: 16144
Well Name: A002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13700
API Well Number: 177084092400	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 8400 - 11614	Water Depth: 402
Public Info Code: Y 09-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13770 /11775	DEF AT faunal change (no faunal increase)	DEF AT 4
13800 /11799	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
13829 /11822	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
13830 /11823	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13920 /11895	DEF IN Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 6
13950 /11920	DEF AT faunal change (no faunal increase)	DEF AT 5
13980 /11944	DEF AT faunal change (no faunal increase)	DEF AT 4
14010 /11968	DEF AT faunal change (no faunal increase)	DEF AT 5
14040 /11992	DEF AT Bathysiphon fauna	DEF AT 5
14220 /12139	DEF AT local marker planktic foram increase	DEF AT 5
14280 /12188	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14340 /12237	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14519 /12384	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
14520 /12385	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
14550 /12409	DEF AT faunal change (no faunal increase)	DEF AT 5
14670 /12507	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
14700 /12532	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
14760 /12581	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 6
14850 /12654	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14910 /12703	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
14940 /12728	DEF AT Bathysiphon fauna	DEF AT 5
15150 /12899	DEF AT faunal change (no faunal increase)	DEF AT 6
15180 /12923	DEF AT faunal change (no faunal increase)	DEF AT 5
15210 /12948	DEF AT faunal change (no faunal increase)	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 192  
 Lease Number: G24878  
 Well Name: A002  
 API Well Number: 177084092400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 09-SEP-2014

Date of Summary: 24-AUG-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: BANE AND SCHUNICK  
 Drilling Operator: STONE ENERGY CORPORATION  
 Sample Range: 8400 - 11614  
 Ecozone Eq MMS: Y

First Sample Examined: 8400  
 Borehole MD: 16144  
 Borehole TVD: 13700  
 Rkb Elevation: 120  
 Water Depth: 402  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15360 /13069	DEF AT faunal change (no faunal increase)	DEF AT 5
15630 /13287	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15720 /13359	DEF AT Eggerella 3 (local marker)	DEF AT 6
15810 /13432	DEF AT Eggerella 3 (local marker)	DEF AT 6
15900 /13504	DEF AT faunal change (no faunal increase)	DEF AT 5
16144 /13700	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 192	Date of Summary: 04-MAR-2005	First Sample Examined: 14100
Lease Number: G24878	Source of Paleo: OPERATOR	Borehole MD: 17631
Well Name: A003	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 14863
API Well Number: 177084093000	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 14100 - 17630	Water Depth: 402
Public Info Code: Y 27-MAR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14100 /11918	DEF AT first sample examined	DEF AT 5
14210 /12005	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
14450 /12198	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14510 /12247	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
14570 /12296	DEF AT -----	DEF AT 4
14600 /12321	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
14630 /12345	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14660 /12370	DEF AT local marker planktic foram increase	DEF AT 5
14690 /12394	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14900 /12568	DEF AT -----	DEF AT 4
14960 /12617	DEF AT Bathysiphon fauna	DEF AT 4
15020 /12666	DEF AT -----	DEF IN 3
15170 /12789	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
15200 /12814	DEF AT -----	DEF AT 4
15260 /12863	DEF AT -----	DEF AT 3
15350 /12938	DEF AT local marker planktic foram increase	DEF AT 5
15440 /13012	DEF AT -----	DEF AT 4
15560 /13112	DEF AT Eggerella 3 (local marker)	POS AT 4
15590 /13137	DEF AT -----	DEF AT 4
15710 /13235	DEF AT -----	POS AT 4
15800 /13308	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15890 /13380	DEF AT local marker foram decrease	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 192	Date of Summary: 04-MAR-2005	First Sample Examined: 14100
Lease Number: G24878	Source of Paleo: OPERATOR	Borehole MD: 17631
Well Name: A003	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 14863
API Well Number: 177084093000	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 14100 - 17630	Water Depth: 402
Public Info Code: Y 27-MAR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15980 /13452	DEF AT -----	POS AT 4
16070 /13524	DEF AT -----	DEF IN 3
16250 /13670	DEF AT local marker planktic foram increase	DEF IN 3
16460 /13841	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16490 /13866	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
16520 /13891	DEF AT -----	DEF AT 4
16550 /13916	DEF AT -----	POS AT 4
16610 /13966	DEF AT Arenaceous fauna (local marker)	POS AT 4
16670 /14016	DEF AT -----	DEF AT 4
16700 /14042	DEF AT -----	POS AT 4
16790 /14118	DEF AT Eggerella 3 (local marker)	POS AT 4
16820 /14144	DEF AT -----	DEF IN 3
16880 /14195	DEF AT -----	POS AT 4
16910 /14221	DEF AT -----	DEF IN 3
17119 /14403	DEF AT foram flood	DEF AT 5
17120 /14404	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
17240 /14510	DEF AT -----	DEF AT 4
17300 /14564	DEF AT local marker planktic foram increase	DEF AT 5
17510 /14753	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT 5
17630 /14862	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 196	Date of Summary: 10-SEP-1999	First Sample Examined: 1220
Lease Number: G14449	Source of Paleo: OPERATOR	Borehole MD: 8125
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8123
API Well Number: 177084086900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 1220 - 6800	Water Depth: 436
Public Info Code: Y 13-MAR-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1220 / 1220	DEF AT first sample examined	DEF AT
2930 / 2930	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5060 / 5060	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5090 / 5090	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5270 / 5270	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5480 / 5480	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5600 / 5600	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
5720 / 5720	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
5780 / 5780	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6799 / 6799	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6800 / 6800	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 196	Date of Summary: 22-SEP-1999	First Sample Examined: 1220
Lease Number: G14449	Source of Paleo: OPERATOR	Borehole MD: 8125
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8123
API Well Number: 177084086900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 1220 - 6800	Water Depth: 436
Public Info Code: Y 13-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1220 / 1220	DEF AT first sample examined	DEF AT 2
1280 / 1280	DEF AT - - - - -	DEF AT 3
2210 / 2210	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3740 / 3740	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4400 / 4400	DEF AT - - - - -	DEF AT 3
5059 / 5059	POS AT unconformity	DEF AT 4
5060 / 5060	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
5270 / 5270	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5510 / 5510	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
5630 / 5630	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
5720 / 5720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
6590 / 6590	DEF AT faunal change (no faunal increase)	DEF IN 5
6620 / 6620	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
6799 / 6799	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6800 / 6800	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 196	Date of Summary: 10-SEP-1999	First Sample Examined: 17990
Lease Number: G14449	Source of Paleo: OPERATOR	Borehole MD: 19706
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19705
API Well Number: 177084086901	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 4	Sample Range: 17990 - 19706	Water Depth: 436
Public Info Code: Y 13-MAR-2000	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report for sidetrack, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17990 /17989	DEF AT first sample examined	DEF AT
18380 /18379	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19706 /19705	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 196	Date of Summary: 10-SEP-1999	First Sample Examined: 7040
Lease Number: G14449	Source of Paleo: OPERATOR	Borehole MD: 19706
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19705
API Well Number: 177084086901	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 2 of 4	Sample Range: 7040 - 18000	Water Depth: 436
Public Info Code: Y 13-MAR-2000	Ecozone Eq MMS: N	Paleo ID: 004

**Remark:** Calcareous nannofossil report for original hole, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 7040	DEF AT first sample examined	DEF AT
7041 / 7041	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7340 / 7340	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7520 / 7519	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
7640 / 7639	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
7880 / 7879	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8000 / 7999	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8090 / 8089	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8150 / 8149	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
8270 / 8269	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11510 /11509	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13490 /13489	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13850 /13849	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14330 /14329	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14630 /14629	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15440 /15439	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15860 /15859	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16010 /16009	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18000 /17999	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 196	<b>Date of Summary:</b> 22-SEP-1999	<b>First Sample Examined:</b> 17990
<b>Lease Number:</b> G14449	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19706
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19705
<b>API Well Number:</b> 177084086901	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 17990 - 19706	<b>Water Depth:</b> 436
<b>Public Info Code:</b> Y 13-MAR-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Sidetrack report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17990 /17989	DEF AT first sample examined	DEF AT 6
19160 /19159	DEF AT - - - - -	DEF AT 5
19640 /19639	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
19706 /19705	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 196	Date of Summary: 22-SEP-1999	First Sample Examined: 7040
Lease Number: G14449	Source of Paleo: OPERATOR	Borehole MD: 19706
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19705
API Well Number: 177084086901	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 4 of 4	Sample Range: 7040 - 18000	Water Depth: 436
Public Info Code: Y 13-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Original hole report, 8270=normal section, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 7040	DEF AT first sample examined	DEF AT 5
7640 / 7639	DEF AT -----	DEF IN 5
7670 / 7669	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
7700 / 7699	DEF AT -----	DEF AT 6
7760 / 7759	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
7880 / 7879	DEF AT anhydrite	DEF AT 6
7970 / 7969	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8270 / 8269	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
10850 /10849	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
11570 /11569	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
14090 /14089	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
14870 /14869	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
15860 /15859	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
16010 /16009	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
16040 /16039	DEF AT -----	DEF AT 5
16790 /16789	DEF AT -----	DEF AT 6
18000 /17999	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 205  
Lease Number: G05475  
Well Name: B001  
API Well Number: 177084077902  
Paleo Report Num: 1 of 1  
Public Info Code: Y 24-AUG-2002

Date of Summary: 26-JUN-1996  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 11506  
Borehole TVD: 10778  
Rkb Elevation: 82  
Water Depth: 529  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9630 / 9432	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10170 / 9849	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
11080 /10478	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11230 /10585	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 205	<b>Date of Summary:</b> 09-MAY-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05475	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13448
<b>Well Name:</b> B003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12435
<b>API Well Number:</b> 177084081000	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 121
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 525
<b>Public Info Code:</b> Y 24-AUG-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7195	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
11120 /10512	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
11670 /10970	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12510 /11662	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT
12540 /11685	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12780 /11875	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 205	<b>Date of Summary:</b> 18-JUN-1997	<b>First Sample Examined:</b> 6120
<b>Lease Number:</b> G05475	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12915
<b>Well Name:</b> B004	<b>Paleo Done By:</b> GEORGE J. CONSTANCE, JR.	<b>Borehole TVD:</b> 11427
<b>API Well Number:</b> 177084081300	<b>Drilling Operator:</b> EXXONMOBIL OIL CORPORATION	<b>Rkb Elevation:</b> 122
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6120 - 12900	<b>Water Depth:</b> 523
<b>Public Info Code:</b> Y 24-AUG-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6120 / 5730	DEF AT first sample examined	DEF IN 3
7680 / 7044	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
11430 /10185	DEF AT - - - - -	DEF AT 5
11910 /10579	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11939 /10603	POS AT transported inner shelf facies	POS AT 5
11940 /10604	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS AT 5
12450 /11032	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12630 /11185	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12900 /11414	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 205	Date of Summary: 01-JUL-1998	First Sample Examined: 0
Lease Number: G05475	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13955
Well Name: B008	Paleo Done By: OPERATOR	Borehole TVD: 10914
API Well Number: 177084083902	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 525
Public Info Code: Y 24-AUG-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11550 /10384	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 205	Date of Summary: 17-MAR-1997	First Sample Examined: 6630
Lease Number: G13691	Source of Paleo: OPERATOR	Borehole MD: 13700
Well Name: B006	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 11442
API Well Number: 177084083000	Drilling Operator: EXXONMOBIL OIL CORPORATION	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 6630 - 11241	Water Depth: 525
Public Info Code: Y 29-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6630 / 5583	DEF AT first sample examined	DEF IN 3
7890 / 6336	DEF AT - - - - -	DEF AT 4
7949 / 6374	DEF AT pyrite	DEF AT 4
7950 / 6375	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
8310 / 6600	DEF AT local marker foram decrease	DEF AT 4
9310 / 7280	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
11240 / 9071	DEF AT - - - - -	DEF AT 5
11610 / 9440	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11710 / 9540	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12080 / 9908	DEF AT limestone	DEF AT 5
12130 / 9957	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12150 / 9977	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12980 /10765	DEF AT local marker foram increase	DEF AT 5
13010 /10793	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
13039 /10820	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
13040 /10821	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13160 /10934	POS AT Bathysiphon fauna	DEF AT 5
13700 /11442	DEF AT last sample examined	DEF AT 5

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 205  
Lease Number: G13691  
Well Name: B006  
API Well Number: 177084083001  
Paleo Report Num: 1 of 1  
Public Info Code: Y 29-MAY-2001

Date of Summary: 19-MAR-1997  
Source of Paleo: OPERATOR  
Paleo Done By: GEORGE J. CONSTANCE, JR.  
Drilling Operator: MOBIL EXPLORATION AND PRODUCIN  
Sample Range: 10620 - 12506  
Ecozone Eq MMS: Y

First Sample Examined: 10620  
Borehole MD: 12506  
Borehole TVD: 10183  
Rkb Elevation: 121  
Water Depth: 525  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10620 / 8458	DEF AT first sample examined	DEF AT 5
11670 / 9393	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12120 / 9806	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12130 / 9815	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12140 / 9825	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12369 /10048	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12370 /10049	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12410 /10088	DEF AT local marker foram increase	DEF AT 5
12506 /10183	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 217	<b>Date of Summary:</b> 20-JAN-2005	<b>First Sample Examined:</b> 12220
<b>Lease Number:</b> 00310	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19664
<b>Well Name:</b> 223	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19636
<b>API Well Number:</b> 177074086200	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 59
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12220 - 19665	<b>Water Depth:</b> 11
<b>Public Info Code:</b> Y 09-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12220 /12210	DEF AT first sample examined	DEF AT 3
12221 /12211	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
12850 /12836	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
12940 /12926	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
13000 /12986	DEF AT sample gap top	POS AT 3
13100 /13086	DEF AT sample gap bottom	DEF AT 3
14130 /14116	DEF AT sample gap top	POS AT 3
15300 /15285	DEF AT sample gap bottom	DEF AT 3
16080 /16065	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16200 /16185	DEF AT -----	DEF AT 4
16440 /16425	DEF AT -----	DEF AT 3
16710 /16694	DEF AT -----	DEF AT 4
17160 /17143	DEF AT -----	DEF AT 3
19080 /19054	DEF AT -----	DEF AT 4
19665 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 217	<b>Date of Summary:</b> 20-JAN-2005	<b>First Sample Examined:</b> 17010
<b>Lease Number:</b> 00310	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19664
<b>Well Name:</b> 223	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19636
<b>API Well Number:</b> 177074086200	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 59
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17010 - 19590	<b>Water Depth:</b> 11
<b>Public Info Code:</b> Y 09-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17010 /16994	DEF AT first sample examined	DEF AT
19110 /19084	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (variety?)	DEF AT
19590 /19562	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> SM 217	<b>Date of Summary:</b> 18-JAN-2006	<b>First Sample Examined:</b> 7500
<b>Lease Number:</b> 00310	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9618
<b>Well Name:</b> 225	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9305
<b>API Well Number:</b> 177074086700	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 45
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7500 - 9600	<b>Water Depth:</b> 11
<b>Public Info Code:</b> Y 18-NOV-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7493	DEF AT first sample examined	DEF IN 2
7890 / 7863	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 2
8460 / 8365	DEF AT - - - - -	DEF AT 3
9360 / 9093	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
9540 / 9240	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
9600 / 9290	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 217	Date of Summary: 06-APR-2006	First Sample Examined: 9480
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 14506
Well Name: 225	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14009
API Well Number: 177074086701	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 42
Paleo Report Num: 1 of 1	Sample Range: 9480 - 14460	Water Depth: 11
Public Info Code: Y 12-APR-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9203	DEF AT first sample examined	DEF IN 3
9900 / 9549	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
10110 / 9727	DEF AT - - - - -	DEF AT 4
10230 / 9832	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
10320 / 9911	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
10590 /10152	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
11280 /10792	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
12300 /11803	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
13320 /12823	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
14340 /13843	DEF AT sample gap top	POS AT 4
14459 /13962	DEF AT sample gap bottom	POS AT 4
14460 /13963	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 217	Date of Summary: 26-SEP-2006	First Sample Examined: 7500
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 16158
Well Name: 227	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16000
API Well Number: 177074087501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 40
Paleo Report Num: 1 of 1	Sample Range: 7500 - 16140	Water Depth: 12
Public Info Code: Y 12-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7425	DEF AT first sample examined	DEF AT 2
7501 / 7426	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
7590 / 7512	DEF AT local marker foram decrease	DEF AT 2
7710 / 7628	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
7920 / 7830	POS IN Upper Miocene (Tortonian) Bigenerina 2	DEF AT 2
8130 / 8033	DEF AT local marker planktic foram increase	DEF AT 2
8190 / 8091	DEF AT local marker foram decrease	DEF AT 2
8250 / 8149	DEF AT - - - - -	DEF IN 2
8400 / 8294	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 2
8460 / 8352	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 2
8610 / 8497	DEF AT local marker foram decrease	DEF IN 2
9150 / 9019	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
9210 / 9076	DEF AT pyrite	DEF IN 2
9270 / 9134	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 2
9300 / 9163	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 2
9360 / 9221	DEF AT local marker foram decrease	DEF IN 2
9660 / 9515	DEF AT local marker foram increase	DEF IN 2
9810 / 9663	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 2
9870 / 9722	DEF AT - - - - -	DEF AT 3
9900 / 9752	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
10140 / 9989	DEF AT local marker foram decrease	DEF AT 3
10170 / 10018	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 217	Date of Summary: 26-SEP-2006	First Sample Examined: 7500
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 16158
Well Name: 227	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16000
API Well Number: 177074087501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 40
Paleo Report Num: 1 of 1	Sample Range: 7500 - 16140	Water Depth: 12
Public Info Code: Y 12-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10200 /10048	DEF AT - - - - -	DEF IN 2
10259 /10107	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 3
10260 /10108	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
10320 /10167	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
10380 /10227	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
10470 /10316	DEF AT local marker foram increase	DEF AT 3
10530 /10376	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
10650 /10495	DEF AT local marker foram decrease	DEF IN 2
10980 /10824	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 2
11070 /10913	DEF AT local marker foram decrease	DEF IN 2
11250 /11093	DEF AT local marker foram increase	DEF IN 2
11550 /11393	DEF AT local marker foram decrease	DEF IN 2
12300 /12143	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 2
12330 /12173	DEF AT local marker foram decrease	DEF IN 2
12360 /12203	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 2
12480 /12323	DEF AT local marker foram decrease	DEF IN 2
12720 /12563	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
12780 /12623	DEF AT local marker foram decrease	DEF IN 2
12990 /12833	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 2
13080 /12923	DEF AT local marker foram decrease	DEF IN 2
13140 /12983	DEF AT local marker foram increase	DEF IN 2
13170 /13013	DEF AT local marker foram increase	DEF IN 2
13230 /13073	DEF AT local marker foram decrease	DEF IN 2
13350 /13193	DEF AT local marker foram increase	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 217	Date of Summary: 26-SEP-2006	First Sample Examined: 7500
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 16158
Well Name: 227	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16000
API Well Number: 177074087501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 40
Paleo Report Num: 1 of 1	Sample Range: 7500 - 16140	Water Depth: 12
Public Info Code: Y 12-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13380 /13223	DEF AT local marker foram decrease	DEF IN 2
13440 /13283	DEF AT local marker foram increase	DEF IN 2
13710 /13553	DEF AT local marker foram decrease	DEF IN 2
13920 /13763	DEF AT local marker foram increase	DEF IN 2
13980 /13823	DEF AT local marker foram decrease	DEF IN 2
14040 /13883	DEF AT local marker foram increase	DEF IN 2
14190 /14033	DEF AT local marker foram decrease	DEF IN 2
15000 /14843	DEF AT local marker foram increase	DEF IN 2
15030 /14873	DEF AT local marker foram increase	DEF AT 3
15090 /14933	DEF AT - - - - -	DEF IN 2
15239 /15082	DEF AT local marker foram decrease	DEF IN 2
15240 /15083	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 223	<b>Date of Summary:</b> 20-JAN-2003	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> 00310	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20000
<b>Well Name:</b> 218	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19995
<b>API Well Number:</b> 177074083100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 38
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12000 - 20000	<b>Water Depth:</b> 18
<b>Public Info Code:</b> Y 09-DEC-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11999	DEF AT first sample examined	DEF IN 4
12060 /12059	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
12600 /12599	DEF AT - - - - -	DEF AT 3
13980 /13978	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
16050 /16046	DEF AT - - - - -	DEF AT 4
16530 /16525	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
18900 /18895	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
20000 /19995	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 224	Date of Summary: 23-FEB-2006	First Sample Examined: 9900
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 20548
Well Name: 224	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20546
API Well Number: 177074086600	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 38
Paleo Report Num: 1 of 1	Sample Range: 9900 - 20490	Water Depth: 14
Public Info Code: Y 18-NOV-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9899	DEF AT first sample examined	DEF IN 3
10200 /10199	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF IN 3
10350 /10349	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
11040 /11039	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
11190 /11189	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 3
11970 /11969	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 3
12360 /12359	DEF AT local marker benthic foram increase	DEF IN 3
13800 /13799	DEF AT sample gap top	POS IN 3
14160 /14159	DEF AT sample gap bottom	POS IN 3
14370 /14369	DEF AT - - - - -	DEF AT 4
14460 /14459	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
14820 /14819	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
14970 /14969	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
15000 /14999	DEF AT sample gap top	POS AT 4
16200 /16199	DEF AT sample gap bottom	DEF AT 4
16590 /16589	DEF IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 4
17220 /17219	DEF AT - - - - -	DEF AT 3
18780 /18779	DEF AT - - - - -	DEF AT 4
20010 /20009	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
20490 /20488	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 224	<b>Date of Summary:</b> 23-FEB-2006	<b>First Sample Examined:</b> 20070
<b>Lease Number:</b> 00310	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20967
<b>Well Name:</b> 224	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20960
<b>API Well Number:</b> 177074086601	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 38
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20070 - 20910	<b>Water Depth:</b> 14
<b>Public Info Code:</b> Y 14-DEC-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20070 /20068	DEF AT first sample examined	DEF AT 4
20071 /20069	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
20550 /20546	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 4
20610 /20605	DEF AT -----	DEF AT 5
20730 /20725	POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 5
20760 /20755	DEF AT -----	DEF AT 4
20910 /20903	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 224	Date of Summary: 23-FEB-2006	First Sample Examined: 20400
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 24600
Well Name: 224	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24554
API Well Number: 177074086602	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 38
Paleo Report Num: 1 of 1	Sample Range: 20400 - 24430	Water Depth: 14
Public Info Code: Y 19-MAY-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Amber Prospect, consultant-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20400 /20393	DEF AT first sample examined	DEF AT 4
20401 /20394	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
20670 /20663	DEF AT - - - - -	DEF AT 5
20730 /20723	POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 5
20880 /20873	DEF AT - - - - -	DEF AT 4
21480 /21470	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 4
21481 /21471	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 4
22950 /22922	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
23730 /23690	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
24560 /24514	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 230	Date of Summary: 10-JAN-2006	First Sample Examined: 11420
Lease Number: G26013	Source of Paleo: OPERATOR	Borehole MD: 19958
Well Name: A001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 19956
API Well Number: 177074086800	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11420 - 19958	Water Depth: 19
Public Info Code: Y 01-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11420 /11419	DEF AT first sample examined	DEF IN 2
11450 /11449	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11480 /11479	DEF AT -----	DEF IN 2
11540 /11539	DEF AT local marker benthic foram increase	DEF IN 2
11570 /11569	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 2
11660 /11659	DEF AT -----	DEF AT 2
11690 /11689	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 2
11720 /11719	DEF AT -----	DEF AT 3
11780 /11779	DEF AT -----	DEF AT 2
11810 /11809	DEF AT -----	DEF IN 2
11840 /11839	DEF AT -----	DEF AT 2
11990 /11989	DEF AT local marker benthic foram increase	DEF IN 2
12020 /12019	DEF AT -----	DEF AT 2
12979 /12978	DEF AT local marker benthic foram increase	DEF AT 3
12980 /12979	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
13070 /13069	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
13310 /13309	DEF AT local marker planktic foram increase	DEF AT 3
13370 /13369	DEF AT local marker benthic foram increase	DEF AT 3
13460 /13459	DEF AT local marker planktic foram increase	DEF IN 2
13490 /13489	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
13550 /13549	DEF AT foram flood	DEF AT 3
13610 /13609	DEF AT -----	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 230	Date of Summary: 10-JAN-2006	First Sample Examined: 11420
Lease Number: G26013	Source of Paleo: OPERATOR	Borehole MD: 19958
Well Name: A001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 19956
API Well Number: 177074086800	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11420 - 19958	Water Depth: 19
Public Info Code: Y 01-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13700 /13699	DEF AT -----	DEF AT 2
13790 /13789	DEF AT -----	DEF IN 2
13850 /13849	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
13940 /13939	POS AT deepwater facies Harang	DEF AT 3
14029 /14028	DEF AT deepwater facies Harang	DEF IN 3
14030 /14029	DEF AT foram flood	DEF IN 3
14120 /14119	DEF AT -----	POS AT 4
14180 /14179	DEF AT -----	DEF IN 3
14210 /14209	DEF AT -----	POS AT 4
14480 /14479	DEF AT local marker benthic foram increase	DEF IN 3
14570 /14569	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF IN 3
14719 /14718	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 3
14720 /14719	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 3
14802 /14801	DEF AT local marker benthic foram increase	DEF IN 3
14810 /14809	DEF AT local marker benthic foram increase	DEF AT 3
14899 /14898	DEF AT foram flood	DEF AT 3
14900 /14899	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
14990 /14989	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
15020 /15019	DEF AT -----	DEF IN 2
15080 /15079	DEF AT -----	DEF AT 2
15200 /15199	DEF AT -----	DEF IN 2
15230 /15229	DEF AT -----	DEF AT 3
15380 /15379	DEF AT -----	DEF AT 2
15680 /15679	DEF AT -----	DEF IN 2

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 230  
 Lease Number: G26013  
 Well Name: A001  
 API Well Number: 177074086800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 01-JUL-2015

Date of Summary: 10-JAN-2006  
 Source of Paleo: OPERATOR  
 Paleo Done By: BANE AND SCHUNICK  
 Drilling Operator: STONE ENERGY CORPORATION  
 Sample Range: 11420 - 19958  
 Ecozone Eq MMS: Y

First Sample Examined: 11420  
 Borehole MD: 19958  
 Borehole TVD: 19956  
 Rkb Elevation: 101  
 Water Depth: 19  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15710 /15709	DEF AT -----	DEF AT 3
15800 /15799	DEF AT -----	DEF IN 2
15830 /15829	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 2
16130 /16129	DEF AT -----	DEF AT 2
16580 /16579	DEF AT -----	DEF IN 2
16640 /16639	DEF AT -----	DEF AT 3
16669 /16668	DEF AT foram flood	DEF AT 3
16670 /16669	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
16790 /16789	DEF AT local marker benthic foram increase	DEF AT 3
16850 /16849	DEF AT -----	DEF IN 2
17000 /16999	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
17090 /17089	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
17120 /17119	DEF AT -----	DEF IN 2
17150 /17149	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
17180 /17179	DEF AT -----	DEF AT 3
17300 /17299	DEF AT -----	DEF IN 2
17600 /17599	DEF AT -----	DEF AT 3
17660 /17659	DEF AT -----	DEF IN 2
17900 /17899	DEF AT -----	DEF AT 2
17930 /17929	DEF AT local marker foram decrease	DEF AT 2
18680 /18679	DEF AT -----	DEF IN 2
18710 /18709	DEF AT -----	DEF AT 3
18770 /18769	DEF AT local marker foram increase	DEF AT 3
18800 /18799	DEF AT -----	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 230	Date of Summary: 10-JAN-2006	First Sample Examined: 11420
Lease Number: G26013	Source of Paleo: OPERATOR	Borehole MD: 19958
Well Name: A001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 19956
API Well Number: 177074086800	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11420 - 19958	Water Depth: 19
Public Info Code: Y 01-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18950 /18949	DEF AT Arenaceous fauna (local marker)	DEF IN 2
19070 /19069	DEF AT -----	DEF AT 2
19310 /19309	DEF AT -----	DEF IN 2
19340 /19339	DEF AT -----	DEF AT 2
19400 /19399	DEF AT -----	DEF IN 2
19458 /19457	DEF AT local marker planktic foram increase	DEF AT 4
19459 /19458	DEF AT foram flood	DEF AT 4
19460 /19459	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
19580 /19579	DEF AT -----	POS AT 4
19848 /19846	DEF AT Eggerella sp. (local marker)	POS AT 4
19849 /19847	DEF AT Cyclammina cancellata (local marker)	POS AT 4
19850 /19848	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 4
19940 /19938	DEF AT salt	POS AT 4
19958 /19956	DEF AT last sample examined	POS AT 4

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 230	Date of Summary: 11-MAR-2010	First Sample Examined: 17300
Lease Number: G26013	Source of Paleo: OPERATOR	Borehole MD: 29122
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 29005
API Well Number: 177074086801	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 17300 - 29122	Water Depth: 19
Public Info Code: Y 01-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, calcareous nannofossil and foram range charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17300 /17299	DEF AT first sample examined	DEF IN 3
17301 /17300	POS IN Middle Miocene (Langhian) Helicosphaera ampliaptera	DEF IN 3
17630 /17627	DEF AT - - - - -	DEF AT 4
17750 /17747	POS IN Middle Miocene (Langhian) Cibicides 38	DEF AT 4
19490 /19486	DEF AT - - - - -	DEF AT 5
19520 /19516	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
20000 /19996	DEF IN salt	DEF AT 5
21560 /21554	DEF AT base of salt	DEF AT 5
22160 /22152	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
22280 /22272	DEF IN Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 5
22519 /22510	POS IN Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT 5
22520 /22511	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
22580 /22571	POS AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 5
22609 /22600	POS AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 5
22610 /22601	POS AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
22639 /22630	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22640 /22631	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
22970 /22961	POS IN Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 5
24650 /24639	DEF AT - - - - -	DEF AT 4
24680 /24668	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 4
24740 /24728	POS AT Lower Oligocene (Rupelian) Nodosaria blanpiedi	DEF AT 4
24830 /24818	DEF AT - - - - -	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 230	Date of Summary: 11-MAR-2010	First Sample Examined: 17300
Lease Number: G26013	Source of Paleo: OPERATOR	Borehole MD: 29122
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 29005
API Well Number: 177074086801	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 17300 - 29122	Water Depth: 19
Public Info Code: Y 01-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25031 /25018	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
25159 /25146	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
25160 /25147	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
25190 /25176	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 5
25220 /25206	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 5
25280 /25266	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
25339 /25324	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
25340 /25325	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
25460 /25442	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
25639 /25617	POS AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT 5
25640 /25618	POS AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
25699 /25675	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
25700 /25676	POS AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
25790 /25763	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
25880 /25851	DEF AT radiolarians	DEF AT 5
25940 /25909	POS AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
26060 /26025	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
26239 /26198	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT 5
26240 /26199	POS IN Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 5
26270 /26228	POS AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
26312 /26269	DEF AT - - - - -	DEF AT 4
26330 /26286	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 4
26360 /26315	POS AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 4
26480 /26432	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 230	<b>Date of Summary:</b> 11-MAR-2010	<b>First Sample Examined:</b> 17300
<b>Lease Number:</b> G26013	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29122
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 29005
<b>API Well Number:</b> 177074086801	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 129
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17300 - 29122	<b>Water Depth:</b> 19
<b>Public Info Code:</b> Y 01-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26960 /26899	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT 4
27320 /27249	POS AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 4
28622 /28518	POS AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 5
29122 /29005	POS AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 232	Date of Summary: 14-SEP-2001	First Sample Examined: 0
Lease Number: G22650	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9016
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9016
API Well Number: 177074082400	Drilling Operator: JUNIPER ENERGY LP	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 19
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6920 / 6919	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8488 / 8487	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> SM 233	<b>Date of Summary:</b> 05-APR-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11929	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6119
<b>API Well Number:</b> 177074061300	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 18
<b>Public Info Code:</b> Y 21-MAR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1000 / 1000	DEF AT -----	DEF AT 1
6430 / 5657	DEF AT -----	DEF AT 2
6460 / 5675	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 233	<b>Date of Summary:</b> 18-SEP-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11929	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11340
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11338
<b>API Well Number:</b> 177074072200	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 17
<b>Public Info Code:</b> Y 26-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6750 / 6750	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8400 / 8400	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9900 / 9900	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10700 /10699	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 233	Date of Summary: 13-JUN-1996	First Sample Examined: 0
Lease Number: G11929	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7000
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6999
API Well Number: 177074062300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 13
Public Info Code: Y 29-SEP-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5558 / 5558	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
6274 / 6274	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 234	Date of Summary: 08-JUN-2011	First Sample Examined: 9480
Lease Number: G27896	Source of Paleo: OPERATOR	Borehole MD: 30731
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30546
API Well Number: 177074090900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 9480 - 30731	Water Depth: 20
Public Info Code: Y 05-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Day Jones Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9480	DEF AT first sample examined	DEF IN 2
9810 / 9810	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
10050 /10050	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 3
10620 /10620	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
11010 /11010	DEF AT -----	DEF AT 4
11040 /11040	DEF AT -----	DEF AT 3
11340 /11340	DEF AT -----	DEF AT 4
11400 /11400	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
11430 /11430	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
12749 /12749	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
12750 /12750	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
12840 /12840	DEF AT -----	DEF AT 5
12900 /12900	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
13110 /13110	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13350 /13350	DEF AT -----	DEF AT 4
13650 /13650	DEF AT -----	DEF AT 3
13680 /13680	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
14430 /14430	DEF AT -----	DEF AT 4
14460 /14460	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 4
14520 /14520	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
14700 /14700	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 234	Date of Summary: 08-JUN-2011	First Sample Examined: 9480
Lease Number: G27896	Source of Paleo: OPERATOR	Borehole MD: 30731
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30546
API Well Number: 177074090900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 9480 - 30731	Water Depth: 20
Public Info Code: Y 05-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15060 /15060	DEF AT sample gap top	POS AT 3
15120 /15120	DEF AT sample gap bottom	DEF AT 3
15810 /15810	DEF AT -----	DEF AT 4
15900 /15900	DEF AT -----	DEF AT 5
16140 /16140	DEF AT -----	DEF AT 4
16290 /16290	DEF AT -----	DEF AT 3
16620 /16620	POS AT Middle Miocene (Langhian) Globigerinatella insueta	POS AT 3
17010 /17010	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 3
17070 /17070	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
17430 /17429	DEF AT -----	DEF AT 4
18120 /18119	DEF AT -----	DEF AT 5
19110 /19109	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
19680 /19679	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 5
19710 /19709	POS AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 5
19797 /19796	POS AT unconformity	DEF AT 5
19798 /19797	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 5
19799 /19798	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
19800 /19799	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
20039 /20038	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
20040 /20039	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
20069 /20067	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
20070 /20068	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
20130 /20128	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
21030 /21028	DEF AT Lower Oligocene (Rupelian) Nodosaria blanpiedi	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 234	Date of Summary: 08-JUN-2011	First Sample Examined: 9480
Lease Number: G27896	Source of Paleo: OPERATOR	Borehole MD: 30731
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 30546
API Well Number: 177074090900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 9480 - 30731	Water Depth: 20
Public Info Code: Y 05-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21087 /21085	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
21088 /21086	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
21089 /21087	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
21090 /21088	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
21120 /21118	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
21240 /21238	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
21509 /21507	POS AT out-of-place section	DEF AT 5
21510 /21508	DEF IN Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
21720 /21718	DEF IN Eocene	DEF AT 5
21810 /21808	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
21930 /21928	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
22200 /22198	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
22260 /22258	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
23400 /23398	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
23445 /23443	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
23459 /23457	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
23460 /23458	DEF IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
23668 /23666	DEF IN Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 5
23669 /23667	DEF IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
23670 /23668	DEF IN Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
23728 /23726	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
23729 /23727	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
23730 /23728	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
23820 /23818	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 234	<b>Date of Summary:</b> 08-JUN-2011	<b>First Sample Examined:</b> 9480
<b>Lease Number:</b> G27896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30731
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 30546
<b>API Well Number:</b> 177074090900	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9480 - 30731	<b>Water Depth:</b> 20
<b>Public Info Code:</b> Y 05-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24030 /24028	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT 5
24060 /24058	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
24090 /24088	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 5
24120 /24118	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
24180 /24178	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
24240 /24238	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 5
24270 /24268	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5
24420 /24418	DEF AT - - - - -	DEF AT 4
24810 /24807	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT 4
25080 /25074	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT 4
25350 /25339	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT 4
25410 /25398	POS AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT 4
26700 /26653	POS IN Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 4
27360 /27290	POS AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT 4
27420 /27347	POS AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 4
28990 /28847	POS AT Upper Cretaceous (Maastrichtian) Reinhardites levis	DEF AT
29030 /28886	POS AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT
29280 /29127	POS IN Upper Cretaceous Cenomanian Stage	DEF AT
29640 /29476	POS IN Upper Cretaceous Cenomanian Stage	DEF AT
30330 /30139	POS AT Lower Cretaceous (Aptian) Micrantholithus obtusus	DEF AT
30731 /30519	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 238	Date of Summary: 26-MAY-2000	First Sample Examined: 8600
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 12862
Well Name: 204	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11890
API Well Number: 177074079100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 8600 - 11675	Water Depth: 18
Public Info Code: Y 13-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8600 / 8590	DEF AT first sample examined	DEF IN 2
8601 / 8591	DEF IN Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 2
8644 / 8632	DEF AT sand	DEF AT 2
8645 / 8633	DEF AT local marker foram increase	DEF AT 2
8690 / 8676	DEF AT -----	DEF IN 1
8825 / 8801	DEF AT -----	DEF AT 2
8870 / 8841	DEF AT -----	DEF IN 2
9140 / 9069	DEF AT pyrite	DEF AT 2
9185 / 9104	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9275 / 9172	DEF AT -----	DEF IN 2
9320 / 9205	DEF AT local marker foram increase	DEF IN 2
9455 / 9304	DEF AT sand	DEF AT 2
9590 / 9403	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 3
9635 / 9437	DEF AT limestone	DEF AT 3
9770 / 9538	DEF AT -----	DEF IN 2
9815 / 9572	DEF AT -----	DEF AT 2
9905 / 9640	DEF IN Upper Miocene (Tortonian) Cibicides inflata	DEF IN 2
9995 / 9708	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
10085 / 9773	DEF AT local marker planktic foram increase	DEF AT 3
10220 / 9866	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
10310 / 9929	DEF AT -----	DEF IN 2
10355 / 9961	DEF AT local marker foram increase	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 238  
Lease Number: 00310  
Well Name: 204  
API Well Number: 177074079100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 13-JUN-2010

Date of Summary: 26-MAY-2000  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 8600 - 11675  
Ecozone Eq MMS: Y

First Sample Examined: 8600  
Borehole MD: 12862  
Borehole TVD: 11890  
Rkb Elevation: 90  
Water Depth: 18  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 / 9992	DEF AT sample gap top	POS IN 2
10625 /10151	DEF AT sample gap bottom	DEF AT 2
10670 /10183	DEF AT drilling material	DEF AT 2
10715 /10215	DEF AT - - - - -	DEF IN 2
10850 /10312	DEF AT drilling material	DEF AT 2
10940 /10377	DEF AT - - - - -	DEF IN 2
10985 /10410	DEF AT sample gap top	POS IN 2
11075 /10476	DEF AT sample gap bottom	DEF AT 2
11120 /10509	DEF AT sample gap top	DEF AT 2
11389 /10704	DEF AT sample gap bottom	DEF IN 2
11390 /10705	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 2
11435 /10737	DEF AT sample gap top	POS IN 2
11515 /10795	DEF AT sample gap bottom	DEF IN 2
11635 /10884	DEF AT siltstone	DEF AT 2
11675 /10914	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 250	Date of Summary: 21-AUG-1997	First Sample Examined: 4020
Lease Number: G12901	Source of Paleo: OPERATOR	Borehole MD: 12698
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12698
API Well Number: 177074075300	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 93
Paleo Report Num: 1 of 2	Sample Range: 4020 - 12690	Water Depth: 27
Public Info Code: Y 12-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 4020	DEF AT first sample examined	DEF AT 1
4410 / 4410	DEF AT sample gap top	POS AT 1
4650 / 4650	DEF AT sample gap bottom	DEF AT 1
7440 / 7440	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 2
7770 / 7770	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
7830 / 7830	DEF AT faunal change (no faunal increase)	DEF AT 1
9270 / 9270	DEF AT local marker benthic foram increase	DEF AT 2
9870 / 9870	DEF AT faunal change (no faunal increase)	DEF AT 3
9900 / 9900	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
10410 /10410	DEF AT local marker benthic foram increase	DEF AT 3
10800 /10799	DEF AT local marker benthic foram increase	DEF AT 3
11190 /11189	DEF AT Upper Miocene (Tortonian) Robulus 15	DEF AT 3
11280 /11279	DEF AT Eggerella sp. (local marker)	DEF AT 3
11729 /11728	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11730 /11729	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
12690 /12688	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 250	Date of Summary: 21-AUG-1997	First Sample Examined: 4020
Lease Number: G12901	Source of Paleo: OPERATOR	Borehole MD: 12698
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12698
API Well Number: 177074075300	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 4020 - 12690	Water Depth: 27
Public Info Code: Y 12-MAR-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 4020	DEF AT first sample examined	DEF AT
9840 / 9840	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11730 /11729	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12690 /12688	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 250	Date of Summary: 05-NOV-1996	First Sample Examined: 0
Lease Number: G12901	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11110
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11097
API Well Number: 177074068201	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 27
Public Info Code: Y 12-MAR-2000	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7860 / 7848	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9900 / 9888	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 250	Date of Summary: 26-MAR-2002	First Sample Examined: 6980
Lease Number: G22651	Source of Paleo: OPERATOR	Borehole MD: 12035
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 12030
API Well Number: 177074082900	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6980 - 12035	Water Depth: 27
Public Info Code: Y 19-MAY-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6980 / 6980	DEF AT first sample examined	DEF AT 1
7430 / 7430	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
9200 / 9198	DEF AT local marker foram increase	DEF AT 2
9290 / 9288	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 2
9480 / 9478	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
9870 / 9867	DEF AT faunal change (no faunal increase)	DEF AT 2
10080 /10077	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10140 /10137	DEF AT -----	DEF IN 2
10170 /10167	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 2
10230 /10227	DEF AT -----	DEF AT 2
10770 /10767	DEF AT -----	DEF AT 3
10860 /10857	DEF AT -----	DEF AT 2
11010 /11007	DEF AT -----	DEF AT 3
11040 /11037	DEF AT -----	DEF IN 2
11100 /11097	DEF AT Eggerella sp. (local marker)	DEF AT 3
11160 /11157	DEF AT -----	DEF IN 2
11400 /11396	DEF AT -----	DEF AT 3
11430 /11426	DEF AT -----	DEF IN 2
11460 /11455	DEF AT -----	DEF AT 3
11520 /11515	DEF AT -----	DEF IN 2
11550 /11545	DEF AT -----	DEF AT 2
11580 /11575	DEF AT -----	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 250	<b>Date of Summary:</b> 26-MAR-2002	<b>First Sample Examined:</b> 6980
<b>Lease Number:</b> G22651	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12035
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 12030
<b>API Well Number:</b> 177074082900	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6980 - 12035	<b>Water Depth:</b> 27
<b>Public Info Code:</b> Y 19-MAY-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11630 /11625	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11880 /11875	DEF AT -----	DEF IN 2
12035 /12030	DEF AT last sample examined	DEF IN 2

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 251	Date of Summary: 21-JUL-2009	First Sample Examined: 10980
Lease Number: G24880	Source of Paleo: OPERATOR	Borehole MD: 25488
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25431
API Well Number: 177074090101	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 10980 - 25488	Water Depth: 25
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10980 /10978	DEF AT first sample examined	DEF AT 3
10981 /10979	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11130 /11128	DEF AT - - - - -	DEF AT 4
11270 /11268	POS AT maximum flooding surface	DEF AT 4
11280 /11278	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11969 /11967	POS AT maximum flooding surface	DEF AT 4
11970 /11968	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13869 /13867	POS AT maximum flooding surface	DEF AT 4
13870 /13868	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14350 /14347	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
14500 /14497	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
14799 /14796	POS AT maximum flooding surface	DEF AT 5
14800 /14797	DEF AT - - - - -	DEF AT 5
14830 /14827	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
14860 /14857	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
15220 /15217	POS AT maximum flooding surface	DEF AT 6
15310 /15307	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
15490 /15487	DEF AT - - - - -	DEF AT 4
15760 /15757	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
16090 /16087	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
16150 /16147	POS AT maximum flooding surface	DEF AT 4
16240 /16237	DEF AT - - - - -	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 251	Date of Summary: 21-JUL-2009	First Sample Examined: 10980
Lease Number: G24880	Source of Paleo: OPERATOR	Borehole MD: 25488
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25431
API Well Number: 177074090101	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 10980 - 25488	Water Depth: 25
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16690 /16687	DEF AT - - - - -	DEF AT 4
17200 /17197	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
17840 /17837	POS AT maximum flooding surface	DEF AT 4
17860 /17857	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
18580 /18576	POS AT maximum flooding surface	DEF AT 5
19050 /19046	POS AT maximum flooding surface	DEF AT 5
19060 /19056	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
19180 /19176	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
19780 /19776	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT 5
19800 /19796	POS AT unconformity	DEF AT 5
19930 /19926	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
19940 /19936	POS AT maximum flooding surface	DEF AT 5
21170 /21165	POS AT maximum flooding surface	DEF AT 5
21880 /21874	POS AT maximum flooding surface	DEF AT 5
21910 /21904	DEF AT - - - - -	DEF AT 4
24820 /24777	DEF AT - - - - -	DEF AT 5
25488 /25425	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 252	Date of Summary: 02-MAR-1990	First Sample Examined: 0
Lease Number: G02598	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10500
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 10500
API Well Number: 177074059100	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 06-FEB-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8018 / 8017	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8356 / 8355	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 253	Date of Summary: 22-OCT-2001	First Sample Examined: 0
Lease Number: G08690	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11800
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11800
API Well Number: 177074082200	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 10-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9999	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 255	<b>Date of Summary:</b> 30-JUL-1993	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G09564	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10550
<b>Well Name:</b> 002	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 10550
<b>API Well Number:</b> 177074065100	<b>Drilling Operator:</b> SEAGULL ENERGY E&P INC	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5000 - 10520	<b>Water Depth:</b> 23
<b>Public Info Code:</b> Y 24-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 2
7790 / 7790	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
7970 / 7970	DEF AT - - - - -	DEF AT 3
8150 / 8150	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
8630 / 8629	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
9050 / 9049	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
9740 / 9739	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
10190 /10189	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
10520 /10519	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 260	Date of Summary: 16-JUL-2009	First Sample Examined: 9990
Lease Number: G31360	Source of Paleo: OPERATOR	Borehole MD: 16250
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16071
API Well Number: 177074090001	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 9990 - 15925	Water Depth: 24
Public Info Code: Y 06-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9986	DEF AT first sample examined	DEF AT 3
9991 / 9987	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
10410 /10406	POS AT maximum flooding surface	DEF AT 4
11340 /11335	DEF AT - - - - -	DEF AT 3
11760 /11752	POS AT maximum flooding surface	DEF AT 3
11880 /11870	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
12090 /12072	DEF AT - - - - -	DEF AT 4
12270 /12244	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
12280 /12253	POS AT maximum flooding surface	DEF AT 4
12600 /12558	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
14200 /14083	POS AT maximum flooding surface	DEF AT 4
14250 /14131	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14460 /14331	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
14730 /14588	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14790 /14645	DEF AT - - - - -	DEF AT 6
14849 /14701	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
14850 /14702	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
14900 /14750	POS AT maximum flooding surface	DEF AT 6
15180 /15017	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
15330 /15162	DEF AT - - - - -	DEF IN 5
15925 /15747	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 269	Date of Summary: 25-SEP-2000	First Sample Examined: 0
Lease Number: G02311	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11192
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 10797
API Well Number: 177074080400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 36
Public Info Code: Y 21-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10396 /10115	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 276	Date of Summary: 18-DEC-2000	First Sample Examined: 0
Lease Number: G21631	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11015
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11015
API Well Number: 177074080800	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9260 / 9259	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
9424 / 9423	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10545 /10544	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 280	Date of Summary: 11-MAY-1995	First Sample Examined: 0
Lease Number: G14456	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13930
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12279
API Well Number: 177074068600	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 41
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11290 /10652	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12580 /11379	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 280	<b>Date of Summary:</b> 02-MAY-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14456	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14980
<b>Well Name:</b> G001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14152
<b>API Well Number:</b> 177074071400	<b>Drilling Operator:</b> NORCEN EXPLORER INC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 42
<b>Public Info Code:</b> Y 06-APR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11412 /11398	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12230 /12159	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12573 /12447	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14062 /13511	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 280	Date of Summary: 13-FEB-2001	First Sample Examined: 0
Lease Number: G14456	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14820
Well Name: G002	Paleo Done By: OPERATOR	Borehole TVD: 13975
API Well Number: 177074080700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 06-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14263 /13571	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 280	<b>Date of Summary:</b> 25-NOV-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14456	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17700
<b>Well Name:</b> H001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14579
<b>API Well Number:</b> 177074081801	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 44
<b>Public Info Code:</b> Y 20-JUL-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11026 /10972	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11446 /11304	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13043 /12452	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
15249 /13559	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
16254 /14001	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SM 280	<b>Date of Summary:</b> 27-NOV-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14456	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 18869
<b>Well Name:</b> H002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15800
<b>API Well Number:</b> 177074082301	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 44
<b>Public Info Code:</b> Y 24-NOV-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11600 /11214	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12450 /11850	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14920 /13340	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
15025 /13403	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT



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End Date: 01-DEC-2016

Area Block: SM 282	Date of Summary: 15-JAN-1997	First Sample Examined: 0
Lease Number: G12904	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16250
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15634
API Well Number: 177074069900	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 22-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9270 / 9270	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
12210 /12209	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12870 /12867	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13280 /13268	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14570 /14354	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 288	Date of Summary: 12-MAR-1993	First Sample Examined: 11820
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 17084
Well Name: CB004	Paleo Done By: OPERATOR	Borehole TVD: 16159
API Well Number: 177074063400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 11820 - 17085	Water Depth: 60
Public Info Code: Y 05-JAN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11820 /10947	DEF AT first sample examined	DEF AT
12090 /11201	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15660 /14735	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
16410 /15485	DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT
17085 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 288	Date of Summary: 23-JUL-1998	First Sample Examined: 14600
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 16589
Well Name: CB005	Paleo Done By: OPERATOR	Borehole TVD: 15344
API Well Number: 177074074800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 146
Paleo Report Num: 1 of 1	Sample Range: 11000 - 16589	Water Depth: 60
Public Info Code: Y 05-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14600 /13620	DEF AT first sample examined	DEF AT 3
14750 /13750	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
15140 /14090	DEF AT -----	DEF AT 2
15920 /14759	DEF AT -----	DEF AT 3
16130 /14942	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
16190 /14994	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 3
16589 /15344	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 288	Date of Summary: 17-AUG-2001	First Sample Examined: 0
Lease Number: G02316	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16600
Well Name: CB006	Paleo Done By: OPERATOR	Borehole TVD: 14533
API Well Number: 177074081700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 06-JUL-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14341 /12564	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15185 /13299	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 288	Date of Summary: 10-MAR-1998	First Sample Examined: 12000
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 17760
Well Name: CD001	Paleo Done By: OPERATOR	Borehole TVD: 16721
API Well Number: 177074074600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 12000 - 17760	Water Depth: 60
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11997	DEF AT first sample examined	DEF AT 1
12150 /12145	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 1
12810 /12793	DEF AT -----	DEF IN 2
12990 /12969	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 2
13140 /13113	DEF AT -----	DEF AT 4
13170 /13141	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
13230 /13199	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
13530 /13479	DEF AT -----	DEF IN 3
14190 /14053	DEF AT -----	DEF AT 2
15030 /14674	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 2
15570 /15061	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
15960 /15341	DEF AT -----	DEF AT 4
16020 /15385	DEF AT -----	DEF AT 3
16380 /15654	DEF AT -----	DEF AT 4
16470 /15724	DEF AT -----	DEF AT 2
17070 /16191	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
17100 /16214	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 2
17670 /16651	DEF AT -----	DEF IN 1
17760 /16721	DEF AT last sample examined	DEF IN 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SM 288	Date of Summary: 23-JUL-1998	First Sample Examined: 10900
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 17170
Well Name: CD001	Paleo Done By: OPERATOR	Borehole TVD: 16552
API Well Number: 177074074602	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10900 - 17170	Water Depth: 58
Public Info Code: Y 22-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14770 /14409	DEF AT first sample examined	DEF AT 3
15340 /14919	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 3
15370 /14946	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
15490 /15053	DEF AT -----	DEF AT 2
16570 /16008	DEF AT -----	DEF AT 3
17170 /16552	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 38	<b>Date of Summary:</b> 26-MAR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21695	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15248
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12441
<b>API Well Number:</b> 177214044600	<b>Drilling Operator:</b> STONE ENERGY LLC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 104
<b>Public Info Code:</b> Y 07-FEB-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7829 / 7790	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9379 / 8995	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 38	Date of Summary: 15-JUN-2001	First Sample Examined: 0
Lease Number: G21695	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16535
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12701
API Well Number: 177214044900	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 109
Public Info Code: Y 01-JUN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9323 / 7952	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10820 / 9084	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 38	Date of Summary: 30-AUG-2001	First Sample Examined: 0
Lease Number: G21695	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15697
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13570
API Well Number: 177214045100	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 109
Public Info Code: Y 09-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9660 / 9186	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12480 / 11272	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 47  
 Lease Number: G21137  
 Well Name: A004  
 API Well Number: 177214045000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-APR-2004

Date of Summary: 25-JUN-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: STONE ENERGY LLC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11845  
 Borehole TVD: 11000  
 Rkb Elevation: 90  
 Water Depth: 225  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3090 / 3001	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3630 / 3497	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
5880 / 5548	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
6870 / 6452	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 54	Date of Summary: 04-JAN-1972	First Sample Examined: 12543
Lease Number: G01606	Source of Paleo: MINERALS MANAGEMENT SERVICE	Borehole MD: 13253
Well Name: 001	Paleo Done By: LEE LATTA	Borehole TVD: 13253
API Well Number: 177210093900	Drilling Operator: TEXACO INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12543 - 13200	Water Depth: 280
Public Info Code: Y 26-SEP-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12543 /	DEF AT first sample examined	DEF AT 5
12544 /	DEF IN Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
12944 /	DEF AT Eggerella sp. (local marker)	DEF AT 5
12945 /	DEF AT Arenaceous fauna (local marker)	DEF AT 5
13122 /	DEF AT local marker deep water fauna	DEF AT 6
13200 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 57	Date of Summary: 23-JUL-1998	First Sample Examined: 5270
Lease Number: G02940	Source of Paleo: OPERATOR	Borehole MD: 9379
Well Name: B013	Paleo Done By: OPERATOR	Borehole TVD: 7967
API Well Number: 177214026502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 5270 - 9380	Water Depth: 190
Public Info Code: Y 06-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
5270 / 5191	DEF AT first sample examined	DEF	AT
5271 / 5192	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
7580 / 6741	DEF AT faunal change (no faunal increase)	DEF	AT 2
8270 / 7152	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	POS	AT 2
8300 / 7173	DEF AT faunal change (no faunal increase)	DEF	AT 2
8480 / 7302	DEF AT faunal change (no faunal increase)	DEF	AT 3
9230 / 7859	DEF AT faunal change (no faunal increase)	DEF	AT 2
9380 /	DEF AT last sample examined	DEF	AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 58	Date of Summary: 22-JUL-1993	First Sample Examined: 8010
Lease Number: G02941	Source of Paleo: OPERATOR	Borehole MD: 10278
Well Name: D020	Paleo Done By: OPERATOR	Borehole TVD: 8848
API Well Number: 177214041400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 8010 - 10260	Water Depth: 180
Public Info Code: Y 21-JAN-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6986	DEF AT first sample examined	DEF AT 4
8011 / 6987	DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
8490 / 7386	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
8580 / 7461	DEF AT -----	DEF AT 3
10260 / 8835	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 58	Date of Summary: 22-JUN-1993	First Sample Examined: 9300
Lease Number: G02941	Source of Paleo: OPERATOR	Borehole MD: 9476
Well Name: D021	Paleo Done By: OPERATOR	Borehole TVD: 9185
API Well Number: 177214040600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 9300 - 9480	Water Depth: 180
Public Info Code: Y 07-OCT-2002	Ecozone Eq MMS:	Paleo ID: 002

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9300 / 9034	DEF AT first sample examined	DEF AT 3
9480 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 62	Date of Summary: 26-JUN-1996	First Sample Examined: 11990
Lease Number: G01294	Source of Paleo: OPERATOR	Borehole MD: 19462
Well Name: D033	Paleo Done By: OPERATOR	Borehole TVD: 18309
API Well Number: 177234016300	Drilling Operator: SHELL FRONTIER OIL & GAS INC	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 11990 - 19462	Water Depth: 328
Public Info Code: Y 23-NOV-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
11990 /11277	DEF AT first sample examined	DEF	AT
11991 /11278	POS IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT
12740 /11970	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
13160 /12360	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF	AT
13310 /12499	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT
14360 /13473	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT
14720 /13808	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT
15290 /14337	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF	AT
15620 /14644	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT
17000 /15934	DEF AT local marker foram increase	DEF	IN 3
17780 /16669	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT 3
18260 /17126	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT 3
18530 /17388	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT 3
19462 /18309	DEF AT last sample examined	DEF	AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 67	Date of Summary: 18-OCT-2001	First Sample Examined: 3160
Lease Number: G01612	Source of Paleo: OPERATOR	Borehole MD: 10984
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8108
API Well Number: 177234010501	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 3160 - 10950	Water Depth: 250
Public Info Code: Y 26-OCT-2011	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3160 / 2826	DEF AT first sample examined	DEF AT
3161 / 2826	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
3790 / 3202	POS IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
6340 / 4671	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT
8470 / 6014	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT
8970 / 6357	DEF AT Cyclammia cancellata (local marker)	DEF AT
9780 / 6995	DEF AT local marker (general)	DEF AT
9870 / 7073	DEF AT local marker (general)	DEF AT
10290 / 7448	DEF AT local marker benthic foram increase	DEF AT
10470 / 7616	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT
10560 / 7701	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
10890 / 8018	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10949 / 8074	DEF AT Arenaceous fauna (local marker)	DEF AT
10950 / 8075	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 67	Date of Summary: 13-AUG-2001	First Sample Examined: 1830
Lease Number: G01612	Source of Paleo: OPERATOR	Borehole MD: 6955
Well Name: A013	Paleo Done By: OPERATOR	Borehole TVD: 5861
API Well Number: 177234011502	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 1830 - 6840	Water Depth: 260
Public Info Code: Y 30-AUG-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1830 / 1818	DEF AT first sample examined	DEF AT
1831 / 1819	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3720 / 3256	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT
4710 / 3882	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
5520 / 4504	DEF AT Cyclamina cancellata (local marker)	DEF AT
6420 / 5332	DEF AT Cyclamina cancellata (local marker)	DEF AT
6540 / 5450	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
6839 / 5746	POS IN Upper Miocene (Tortonian) Cyclamina 3	DEF AT
6840 / 5747	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 72	Date of Summary: 04-DEC-1990	First Sample Examined: 3500
Lease Number: G12079	Source of Paleo: OPERATOR	Borehole MD: 7879
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7421
API Well Number: 177234015500	Drilling Operator: MIDGARD ENERGY COMPANY	Rkb Elevation: 68
Paleo Report Num: 1 of 1	Sample Range: 3500 - 7879	Water Depth: 260
Public Info Code: Y 31-DEC-2000	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3401	DEF AT first sample examined	DEF IN 4
3501 / 3402	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
3560 / 3456	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 4
3680 / 3565	DEF AT pyrite	DEF IN 4
3830 / 3701	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 4
4130 / 3973	DEF AT local marker foram increase	DEF IN 4
4730 / 4520	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
5840 / 5537	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 4
6830 / 6450	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN 4
7879 / 7421	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 72	Date of Summary: 05-AUG-1996	First Sample Examined: 0
Lease Number: G12079	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9842
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6762
API Well Number: 177234016700	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 260
Public Info Code: Y 07-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6090 / 3714	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7000 / 4352	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 72	Date of Summary: 07-JUN-1995	First Sample Examined: 0
Lease Number: G12079	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12555
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9072
API Well Number: 177234016500	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 260
Public Info Code: Y 07-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3728 / 3728	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6255 / 6254	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11590 / 8761	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 86	Date of Summary: 06-DEC-1996	First Sample Examined: 0
Lease Number: G05687	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18012
Well Name: C003	Paleo Done By: OPERATOR	Borehole TVD: 17509
API Well Number: 177224018400	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 388
Public Info Code: Y 11-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7487 / 7266	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8770 / 8491	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 09-SEP-1991	First Sample Examined: 4970
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 18022
Well Name: 001	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 18011
API Well Number: 177224020300	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4970 - 18010	Water Depth: 359
Public Info Code: Y 01-SEP-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, 6230=Calcidiscus tropicus zone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4970 / 4970	DEF AT first sample examined	DEF AT
5000 / 5000	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5270 / 5270	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6110 / 6110	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6230 / 6230	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6350 / 6350	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6410 / 6410	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8690 / 8689	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8780 / 8779	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10520 /10519	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT
11300 /11299	DEF IN Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
12380 /12379	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
15260 /15258	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
15320 /15318	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16880 /16875	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18010 /17999	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 31-JAN-2006	First Sample Examined: 2000
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 21501
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21479
API Well Number: 177224023100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 2000 - 21500	Water Depth: 355
Public Info Code: Y 18-NOV-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, from 15060 to 15900, samples were examined but data detail missing, lost in Hurricane Katrina early September 2005

MD / TVD	Paleo Top Description	Ecozone
2000 / 2000	DEF AT first sample examined	DEF IN 4
3470 / 3470	DEF AT -----	DEF AT 5
3770 / 3770	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4399 / 4399	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
4400 / 4400	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4549 / 4549	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
4550 / 4550	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
5879 / 5879	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
5880 / 5880	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
5939 / 5939	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
5940 / 5940	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6059 / 6059	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
6060 / 6060	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
6149 / 6149	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
6150 / 6150	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
6180 / 6180	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6210 / 6210	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
6270 / 6270	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6300 / 6300	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
6330 / 6330	DEF AT -----	DEF AT 4
7110 / 7110	DEF AT -----	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 31-JAN-2006	First Sample Examined: 2000
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 21501
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21479
API Well Number: 177224023100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 2000 - 21500	Water Depth: 355
Public Info Code: Y 18-NOV-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7320 / 7320	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 3
8400 / 8400	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 3
11760 /11759	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11880 /11879	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 4
11940 /11939	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
12060 /12059	DEF AT - - - - -	DEF AT 3
13200 /13199	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
13620 /13618	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 3
14250 /14247	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
15060 /15057	DEF AT sample gap top	DEF AT
15900 /15895	DEF AT sample gap bottom	DEF AT
16170 /16165	DEF AT - - - - -	DEF AT 4
16920 /16914	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
16950 /16944	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
17100 /17094	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
17670 /17664	DEF AT local marker benthic foram increase	DEF AT 4
18089 /18083	DEF AT Eggerella sp. (local marker)	DEF AT 4
18090 /18084	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
19020 /19014	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19440 /19433	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21500 /21478	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 31-JAN-2006	First Sample Examined: 22510
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 22119
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22096
API Well Number: 177224023101	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 21510 - 22120	Water Depth: 355
Public Info Code: Y 27-JAN-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21510 /21491	DEF AT first sample examined	DEF AT 4
21511 /21492	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
22120 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 06-FEB-2006	First Sample Examined: 18540
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 20543
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20388
API Well Number: 177224023102	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 18540 - 20540	Water Depth: 355
Public Info Code: Y 19-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18540 /18534	DEF AT first sample examined	DEF AT 4
18541 /18535	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 4
19020 /19005	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
20540 /20386	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87  
Lease Number: G07799  
Well Name: D002  
API Well Number: 177224021000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 27-JUL-2002

Date of Summary: 26-JUN-1995  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: MARATHON PETROLEUM COMPANY  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 18862  
Borehole TVD: 18345  
Rkb Elevation: 82  
Water Depth: 371  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6400 / 6400	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12760 /12480	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
17930 /17416	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87  
 Lease Number: G07799  
 Well Name: D003  
 API Well Number: 177224021200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 15-APR-2003

Date of Summary: 27-APR-1993  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MARATHON PETROLEUM COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 18400  
 Borehole TVD: 17557  
 Rkb Elevation: 85  
 Water Depth: 370  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7304 / 7282	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
8542 / 8424	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 20-SEP-1995	First Sample Examined: 18100
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 19548
Well Name: D007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18886
API Well Number: 177224020900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 119
Paleo Report Num: 1 of 2	Sample Range: 18100 - 19510	Water Depth: 372
Public Info Code: Y 03-OCT-2005	Ecozone Eq MMS:	Paleo ID: 005

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18100 /17446	DEF AT first sample examined	DEF AT
18370 /17715	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19510 /18849	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 87	<b>Date of Summary:</b> 21-SEP-1995	<b>First Sample Examined:</b> 18100
<b>Lease Number:</b> G07799	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19548
<b>Well Name:</b> D007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18886
<b>API Well Number:</b> 177224020900	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18100 - 19510	<b>Water Depth:</b> 372
<b>Public Info Code:</b> Y 03-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18100 /17446	DEF AT first sample examined	DEF AT 3
18430 /17775	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19510 /18849	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 20-SEP-1995	First Sample Examined: 16742
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 16952
Well Name: D008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16948
API Well Number: 177224020800	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 16742 - 16952	Water Depth: 371
Public Info Code: Y 06-DEC-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16742 /16738	DEF AT first sample examined	DEF AT
16952 /16948	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 87	<b>Date of Summary:</b> 21-SEP-1995	<b>First Sample Examined:</b> 16742
<b>Lease Number:</b> G07799	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16952
<b>Well Name:</b> D008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16948
<b>API Well Number:</b> 177224020800	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 16742 - 16920	<b>Water Depth:</b> 371
<b>Public Info Code:</b> Y 06-DEC-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16742 /16738	DEF AT first sample examined	DEF AT 3
16920 /16916	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16952 /16948	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87  
 Lease Number: G07799  
 Well Name: D008  
 API Well Number: 177224020800  
 Paleo Report Num: 3 of 3  
 Public Info Code: Y 06-DEC-2001

Date of Summary: 14-NOV-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MARATHON PETROLEUM COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 16952  
 Borehole TVD: 16948  
 Rkb Elevation: 82  
 Water Depth: 371  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6350 / 6349	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12320 /12319	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
16280 /16277	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 29-AUG-1995	First Sample Examined: 0
Lease Number: G10894	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13579
Well Name: D006	Paleo Done By: OPERATOR	Borehole TVD: 12814
API Well Number: 177224022200	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 371
Public Info Code: Y 21-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7568 / 7186	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8736 / 8288	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 87	Date of Summary: 25-JUN-1999	First Sample Examined: 0
Lease Number: G10894	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13600
Well Name: D010	Paleo Done By: OPERATOR	Borehole TVD: 11047
API Well Number: 177224022700	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 372
Public Info Code: Y 22-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8750 / 7247	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11108 / 9089	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
12232 / 9990	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 22-OCT-1996	First Sample Examined: 2610
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 5799
Well Name: B007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 5729
API Well Number: 177224008501	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 2	Sample Range: 2610 - 5799	Water Depth: 426
Public Info Code: Y 12-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2610 / 2602	DEF AT first sample examined	DEF AT 3
3000 / 2991	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
3060 / 3051	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
3210 / 3200	DEF AT -----	DEF AT 4
3810 / 3797	DEF AT -----	DEF IN 5
3930 / 3916	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
4020 / 4005	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
4260 / 4242	DEF AT -----	DEF AT 4
5190 / 5147	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
5640 / 5577	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
5790 / 5720	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
5799 / 5729	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 22-OCT-1996	First Sample Examined: 2610
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 5799
Well Name: B007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 5729
API Well Number: 177224008501	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 2 of 2	Sample Range: 2610 - 5799	Water Depth: 426
Public Info Code: Y 12-OCT-2006	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2610 / 2602	DEF AT first sample examined	DEF AT
3000 / 2991	DEF AT Upper Pleistocene (Ionian) Helicosphaera inversa	DEF AT
3660 / 3648	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
3930 / 3916	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4260 / 4242	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4980 / 4946	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5340 / 5291	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5640 / 5577	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
5670 / 5606	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
5700 / 5634	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5799 / 5729	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 20-JUN-1997	First Sample Examined: 3985
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 4	Sample Range: 3985 - 8480	Water Depth: 420
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3985 / 3984	DEF AT first sample examined	POS AT 5
3986 / 3985	DEF AT cement	POS AT 5
4040 / 4039	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4160 / 4159	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS AT 5
4400 / 4395	DEF AT -----	DEF AT 4
4970 / 4951	DEF AT -----	DEF AT 5
5030 / 5010	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5270 / 5244	DEF AT -----	DEF AT 4
5360 / 5332	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
5390 / 5361	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
7220 / 7074	DEF AT -----	DEF AT 3
8480 /	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 27-JUN-1997	First Sample Examined: 3985
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 118
Paleo Report Num: 2 of 4	Sample Range: 3985 - 8480	Water Depth: 420
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3985 / 3984	DEF AT first sample examined	DEF AT
4040 / 4039	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5030 / 5010	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5390 / 5361	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7220 / 7074	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7580 / 7419	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8480 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 27-JUN-1997	First Sample Examined: 7380
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 118
Paleo Report Num: 3 of 4	Sample Range: 7380 - 8480	Water Depth: 420
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS:	Paleo ID: 005

**Remark:** Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7380 / 7227	DEF AT first sample examined	DEF AT
7680 / 7515	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8190 / 8015	DEF AT local marker floral increase	DEF AT
8480 /	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 27-JUN-1997	First Sample Examined: 7390
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 118
Paleo Report Num: 4 of 4	Sample Range: 7390 - 8450	Water Depth: 420
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS:	Paleo ID: 006

**Remark:** Calcareous nannofossil report for bypass 2, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7390 / 7236	DEF AT first sample examined	DEF AT
7480 / 7323	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8110 / 7936	DEF AT local marker floral increase	DEF AT
8450 / 8275	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 23-OCT-1996	First Sample Examined: 13017
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13906
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13620
API Well Number: 177224010402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 4	Sample Range: 13017 - 13906	Water Depth: 420
Public Info Code: Y 13-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13017 /12951	DEF AT first sample examined	DEF AT 3
13230 /13148	DEF AT - - - - -	DEF AT 4
13470 /13320	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
13906 /13620	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 89	<b>Date of Summary:</b> 23-OCT-1996	<b>First Sample Examined:</b> 13017
<b>Lease Number:</b> G01618	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13906
<b>Well Name:</b> B011	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13620
<b>API Well Number:</b> 177224010402	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 13017 - 13906	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 13-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13017 /12951	DEF AT first sample examined	DEF AT
13680 /13459	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13906 /13620	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 23-OCT-1996	First Sample Examined: 13190
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13906
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13620
API Well Number: 177224010402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 3 of 4	Sample Range: 13190 - 13950	Water Depth: 420
Public Info Code: Y 13-AUG-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Sidetrack 3 bypass 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13190 /13114	DEF AT first sample examined	DEF AT 3
13370 /13256	DEF AT - - - - -	DEF AT 4
13460 /13314	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13950 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 23-OCT-1996	First Sample Examined: 13190
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13906
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13620
API Well Number: 177224010402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 4 of 4	Sample Range: 13190 - 13879	Water Depth: 420
Public Info Code: Y 13-AUG-2006	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report for sidetrack 3 bypass 1, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13190 /13114	DEF AT first sample examined	DEF AT
13879 /13600	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 89	<b>Date of Summary:</b> 16-SEP-1994	<b>First Sample Examined:</b> 12100
<b>Lease Number:</b> G01618	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12922
<b>Well Name:</b> B013	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12480
<b>API Well Number:</b> 177224011701	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12100 - 12850	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 11-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12100 /11781	DEF AT first sample examined	DEF AT 3
12490 /12104	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
12700 /12288	DEF AT - - - - -	DEF AT 3
12850 /12417	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 16-SEP-1994	First Sample Examined: 12100
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 12922
Well Name: B013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12480
API Well Number: 177224011701	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 2 of 2	Sample Range: 12100 - 12850	Water Depth: 420
Public Info Code: Y 11-JUN-2004	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12100 /11781	DEF AT first sample examined	DEF AT
12490 /12104	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12850 /12417	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 16-SEP-1994	First Sample Examined: 12440
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13227
Well Name: B013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12809
API Well Number: 177224011702	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 2	Sample Range: 12440 - 13227	Water Depth: 420
Public Info Code: Y 17-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** No diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12440 /12049	DEF AT first sample examined	DEF AT 3
12441 /12050	DEF AT poor sample interval top	DEF AT 3
13226 /12808	DEF AT poor sample interval bottom	DEF AT 3
13227 /12809	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 16-SEP-1994	First Sample Examined: 12409
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13227
Well Name: B013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12809
API Well Number: 177224011702	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 2 of 2	Sample Range: 12409 - 13227	Water Depth: 420
Public Info Code: Y 17-JUN-2004	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12409 /12024	DEF AT first sample examined	DEF AT
12530 /12129	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13227 /12809	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 16-SEP-1994	First Sample Examined: 13227
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 14297
Well Name: B013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13919
API Well Number: 177224011703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 2	Sample Range: 13227 - 14297	Water Depth: 420
Public Info Code: Y 19-JUL-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Bypass report 2 of sidetrack 3, no diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13227 /12853	DEF AT first sample examined	DEF AT 3
14297 /13919	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 89	<b>Date of Summary:</b> 16-SEP-1994	<b>First Sample Examined:</b> 13260
<b>Lease Number:</b> G01618	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14297
<b>Well Name:</b> B013	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13919
<b>API Well Number:</b> 177224011703	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13260 - 14297	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 19-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report for bypass 2 of sidetrack 3, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13227 /12853	DEF AT first sample examined	DEF AT
14297 /13919	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 16-SEP-1994	First Sample Examined: 12120
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 14064
Well Name: B013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13665
API Well Number: 177224011704	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 119
Paleo Report Num: 1 of 6	Sample Range: 12120 - 14399	Water Depth: 420
Public Info Code: Y 09-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12120 /11796	DEF AT first sample examined	DEF AT 3
12540 /12171	DEF AT -----	DEF AT 4
12720 /12345	DEF AT -----	DEF AT 3
14399 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 16-SEP-1994	First Sample Examined: 12180
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 14064
Well Name: B013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13665
API Well Number: 177224011704	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 119
Paleo Report Num: 2 of 6	Sample Range: 12180 - 14399	Water Depth: 420
Public Info Code: Y 09-OCT-2004	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12180 /11843	DEF AT first sample examined	DEF AT
12510 /12142	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14399 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 16-SEP-1994	First Sample Examined: 13440
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 14064
Well Name: B013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13665
API Well Number: 177224011704	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 119
Paleo Report Num: 3 of 6	Sample Range: 13440 - 14237	Water Depth: 420
Public Info Code: Y 09-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Bypass 1 report, no foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13440 /13050	DEF AT first sample examined	DEF AT 3
14237 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 16-SEP-1994	First Sample Examined: 13440
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 14064
Well Name: B013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13665
API Well Number: 177224011704	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 119
Paleo Report Num: 4 of 6	Sample Range: 13440 - 14237	Water Depth: 420
Public Info Code: Y 09-OCT-2004	Ecozone Eq MMS: N	Paleo ID: 004

**Remark:** Calcareous nannofossil report for bypass 1, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13440 /13050	DEF AT first sample examined	DEF AT
14237 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 89	<b>Date of Summary:</b> 16-SEP-1994	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G01618	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14064
<b>Well Name:</b> B013	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13665
<b>API Well Number:</b> 177224011704	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 5 of 6	<b>Sample Range:</b> 13500 - 14069	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 09-OCT-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 005

**Remark:** Bypass 2 report, no diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13109	DEF AT first sample examined	DEF AT 3
13680 /13286	DEF AT - - - - -	DEF AT 4
14069 /	DEF AT last sample examined	DEF AT 4



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 89	<b>Date of Summary:</b> 16-SEP-1994	<b>First Sample Examined:</b> 13500
<b>Lease Number:</b> G01618	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14064
<b>Well Name:</b> B013	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13665
<b>API Well Number:</b> 177224011704	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 6 of 6	<b>Sample Range:</b> 13500 - 14069	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 09-OCT-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 006

**Remark:** Calcareous nannofossil report for bypass 2, no nannofossil markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 /13109	DEF AT first sample examined	DEF AT
14069 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 89	<b>Date of Summary:</b> 18-MAY-1995	<b>First Sample Examined:</b> 12890
<b>Lease Number:</b> G01618	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16254
<b>Well Name:</b> B015	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15341
<b>API Well Number:</b> 177224012703	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 12890 - 16254	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 28-MAY-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Bypass 2 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12860 /12333	DEF AT first sample examined	DEF AT 4
13370 /12830	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
16254 /15431	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SP 89	<b>Date of Summary:</b> 18-MAY-1995	<b>First Sample Examined:</b> 12890
<b>Lease Number:</b> G01618	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16254
<b>Well Name:</b> B015	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15341
<b>API Well Number:</b> 177224012703	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 12890 - 16254	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 28-MAY-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report for bypass 2, no nannofossil markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12890 /12362	DEF AT first sample examined	DEF AT
16254 /15431	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 18-MAY-1995	First Sample Examined: 11300
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 16254
Well Name: B015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15341
API Well Number: 177224012703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 3 of 4	Sample Range: 11300 - 12860	Water Depth: 420
Public Info Code: Y 28-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Bypass 1 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /10802	DEF AT first sample examined	DEF AT 3
11301 /10803	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
12200 /11685	DEF AT - - - - -	DEF AT 4
12860 /12333	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SP 89	Date of Summary: 18-MAY-1995	First Sample Examined: 11300
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 16254
Well Name: B015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15341
API Well Number: 177224012703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 4 of 4	Sample Range: 11300 - 12860	Water Depth: 420
Public Info Code: Y 28-MAY-2005	Ecozone Eq MMS:	Paleo ID: 005

**Remark:** Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /10802	DEF AT first sample examined	DEF AT
11420 /10920	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12710 /12185	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12860 /12333	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 11	Date of Summary: 17-SEP-1997	First Sample Examined: 10000
Lease Number: G16378	Source of Paleo: OPERATOR	Borehole MD: 16754
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16730
API Well Number: 177114124900	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 10000 - 16749	Water Depth: 15
Public Info Code: Y 31-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9996	DEF AT first sample examined	DEF AT 2
10270 /10266	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
10420 /10416	DEF AT local marker foram decrease	DEF AT 3
10840 /10836	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
13090 /13086	DEF AT local marker benthic foram increase	DEF AT 3
13240 /13236	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
13390 /13385	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
13840 /13835	DEF AT Cyclammina sp. (local marker)	DEF AT 3
13930 /13925	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 3
14140 /14134	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
14200 /14194	DEF AT faunal change (no faunal increase)	DEF AT 3
16410 /16391	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
16749 /16725	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 31	Date of Summary: 24-SEP-2001	First Sample Examined: 0
Lease Number: 00333	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12926
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12582
API Well Number: 177114113000	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 18
Public Info Code: Y 17-MAY-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11602 /11371	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12328 /12031	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 32	Date of Summary: 14-AUG-2000	First Sample Examined: 7300
Lease Number: 00335	Source of Paleo: OPERATOR	Borehole MD: 10203
Well Name: 024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10154
API Well Number: 177114131700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 134
Paleo Report Num: 1 of 2	Sample Range: 7300 - 9540	Water Depth: 17
Public Info Code: Y 28-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7299	DEF AT first sample examined	DEF AT
7350 / 7349	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
8070 / 8069	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9240 / 9235	POS AT reworked material	DEF AT
9540 / 9525	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 32	Date of Summary: 14-AUG-2000	First Sample Examined: 7300
Lease Number: 00335	Source of Paleo: OPERATOR	Borehole MD: 10203
Well Name: 024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10154
API Well Number: 177114131700	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 134
Paleo Report Num: 2 of 2	Sample Range: 7300 - 10200	Water Depth: 17
Public Info Code: Y 28-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7299	DEF AT first sample examined	DEF AT 1
7920 / 7919	DEF AT -----	DEF AT 2
8010 / 8009	DEF AT -----	DEF AT 3
8490 / 8489	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
9000 / 8999	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
9210 / 9205	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 3
9780 / 9756	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
10200 /10152	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 32	Date of Summary: 04-DEC-2000	First Sample Examined: 9390
Lease Number: 00335	Source of Paleo: OPERATOR	Borehole MD: 10304
Well Name: 024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9527
API Well Number: 177114131701	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 134
Paleo Report Num: 1 of 2	Sample Range: 9390 - 10304	Water Depth: 19
Public Info Code: Y 28-SEP-2010	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9390 / 8740	DEF AT first sample examined	DEF AT
9630 / 8947	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10110 / 9358	DEF IN Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
10304 / 9527	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 32	<b>Date of Summary:</b> 04-DEC-2000	<b>First Sample Examined:</b> 7900
<b>Lease Number:</b> 00335	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10304
<b>Well Name:</b> 024	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9527
<b>API Well Number:</b> 177114131701	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 134
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7900 - 10304	<b>Water Depth:</b> 19
<b>Public Info Code:</b> Y 28-SEP-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7900 / 7469	DEF AT first sample examined	DEF AT 2
8610 / 8082	DEF AT - - - - -	DEF AT 3
8790 / 8233	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
9190 / 8569	DEF IN salt	POS AT 3
9540 / 8869	DEF AT base of salt	POS AT 3
9930 / 9204	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
10230 / 9462	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 3
10304 / 9527	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 37	<b>Date of Summary:</b> 30-AUG-2005	<b>First Sample Examined:</b> 10130
<b>Lease Number:</b> G26049	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11835
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 11834
<b>API Well Number:</b> 177114146100	<b>Drilling Operator:</b> HUNT OIL COMPANY	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10130 - 11780	<b>Water Depth:</b> 10
<b>Public Info Code:</b> Y 30-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10130 /10130	DEF AT first sample examined	DEF AT 1
10190 /10190	DEF AT local marker benthic foram increase	POS AT 2
10400 /10400	DEF AT -----	DEF AT 2
10460 /10460	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
10700 /10700	DEF AT -----	DEF IN 2
10790 /10789	DEF AT -----	POS AT 2
11000 /10999	DEF AT -----	DEF AT 2
11060 /11059	DEF AT -----	POS AT 2
11120 /11119	DEF AT -----	DEF AT 2
11180 /11179	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 2
11300 /11299	DEF AT -----	DEF IN 2
11330 /11329	DEF AT -----	DEF AT 2
11780 /11779	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 37	Date of Summary: 30-AUG-2005	First Sample Examined: 11680
Lease Number: G26049	Source of Paleo: OPERATOR	Borehole MD: 14200
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 14167
API Well Number: 177114146101	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 11680 - 14200	Water Depth: 10
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11680 /11649	DEF AT first sample examined	DEF AT 2
11739 /11708	DEF AT local marker planktic foram increase	DEF AT 2
11740 /11709	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
11830 /11798	DEF AT local marker benthic foram increase	DEF AT 2
12010 /11978	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
12130 /12098	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 2
12220 /12188	DEF AT -----	DEF AT 3
12310 /12278	DEF AT -----	DEF IN 2
12339 /12307	DEF AT -----	DEF AT 4
12370 /12338	DEF AT -----	DEF AT 2
13000 /12968	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 2
13180 /13148	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13210 /13178	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
13360 /13328	DEF AT -----	DEF AT 5
13420 /13388	DEF AT -----	POS AT 4
13450 /13418	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13540 /13508	DEF AT Eggerella 3 (local marker)	DEF AT 5
13570 /13538	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
13630 /13598	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
13660 /13628	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
13960 /13928	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 5
14110 /14078	DEF AT local marker planktic foram increase	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 37	<b>Date of Summary:</b> 30-AUG-2005	<b>First Sample Examined:</b> 11680
<b>Lease Number:</b> G26049	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14200
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 14167
<b>API Well Number:</b> 177114146101	<b>Drilling Operator:</b> HUNT OIL COMPANY	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11680 - 14200	<b>Water Depth:</b> 10
<b>Public Info Code:</b> Y 30-APR-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14140 /14108	DEF AT - - - - -	DEF AT 5
14170 /14138	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 6
14200 /14168	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 58	<b>Date of Summary:</b> 28-MAR-1990	<b>First Sample Examined:</b> 10020
<b>Lease Number:</b> G07746	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12876
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11179
<b>API Well Number:</b> 177114100800	<b>Drilling Operator:</b> ADOBE OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10020 - 12870	<b>Water Depth:</b> 15
<b>Public Info Code:</b> Y 23-MAR-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 / 9468	DEF AT first sample examined	DEF IN 3
10050 / 9483	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
11250 /10140	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
11820 /10485	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3
12870 /11174	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 59	<b>Date of Summary:</b> 24-SEP-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11977	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12650
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12649
<b>API Well Number:</b> 177114126500	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 135
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 17
<b>Public Info Code:</b> Y 09-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9753 / 9753	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10288 /10288	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10828 /10828	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11512 /11512	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 59	Date of Summary: 09-JAN-2001	First Sample Examined: 9000
Lease Number: G11977	Source of Paleo: OPERATOR	Borehole MD: 13710
Well Name: 003	Paleo Done By: THOMAS REILLY	Borehole TVD: 13709
API Well Number: 177114133600	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 9000 - 13710	Water Depth: 20
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
9000 / 8999	DEF AT first sample examined	DEF AT 1
9570 / 9569	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
9750 / 9749	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
9780 / 9779	DEF AT -----	DEF AT 2
10500 /10499	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10890 /10889	DEF AT -----	POS AT 2
11000 /10999	DEF AT -----	DEF AT 2
11030 /11029	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
11270 /11269	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 2
11360 /11359	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 2
11570 /11569	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
11780 /11779	DEF AT -----	DEF IN 2
11900 /11899	DEF AT local marker foram increase	DEF AT 3
12050 /12049	DEF AT -----	DEF IN 2
12463 /12462	DEF AT -----	POS IN 2
12725 /12724	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
12965 /12964	DEF AT local marker foram increase	DEF AT 3
13025 /13024	DEF AT -----	POS AT 3
13165 /13164	DEF AT -----	DEF AT 3
13650 /13649	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 68  
 Lease Number: G02917  
 Well Name: 003  
 API Well Number: 177114101300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 17-JUL-2000

Date of Summary: 03-JUL-1990  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11170  
 Borehole TVD: 10741  
 Rkb Elevation: 100  
 Water Depth: 31  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9870 / 9448	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10560 /10135	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
11010 /10583	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 68	Date of Summary: 01-FEB-1991	First Sample Examined: 0
Lease Number: G02917	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10072
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9919
API Well Number: 177114101801	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 31
Public Info Code: Y 04-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8970 / 8924	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9300 / 9222	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10590 /	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 68	Date of Summary: 13-MAR-1998	First Sample Examined: 5200
Lease Number: G02917	Source of Paleo: OPERATOR	Borehole MD: 10350
Well Name: 009	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 10349
API Well Number: 177114126000	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 5200 - 10350	Water Depth: 33
Public Info Code: Y 20-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5200 /	DEF AT first sample examined	DEF AT
6310 /	DEF AT Arenaceous fauna (local marker)	DEF AT
6370 /	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
7360 /	DEF AT local marker (general)	DEF AT
9040 /	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9490 /	DEF AT local marker foram increase	DEF AT
10350 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 72  
 Lease Number: 00060  
 Well Name: L024  
 API Well Number: 177114107800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 10-AUG-2002

Date of Summary: 19-JUN-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12630  
 Borehole TVD: 12157  
 Rkb Elevation: 101  
 Water Depth: 30  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8580 / 8352	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
9000 / 8748	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9420 / 9147	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10260 / 9946	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 72  
 Lease Number: G12348  
 Well Name: L025  
 API Well Number: 177114109700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 05-OCT-2002

Date of Summary: 04-JUN-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MOBIL OIL EXPLORATION & PRODUC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12920  
 Borehole TVD: 12085  
 Rkb Elevation: 101  
 Water Depth: 30  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9170 / 8824	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10610 /10064	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11900 /11160	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 76  
 Lease Number: G11977  
 Well Name: 001  
 API Well Number: 177114104200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 21-JAN-2001

Date of Summary: 11-OCT-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MURPHY EXPLORATION & PRODUCTIO  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12750  
 Borehole TVD: 11684  
 Rkb Elevation: 89  
 Water Depth: 18  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9585 / 9403	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10156 / 9804	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10730 /10209	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11540 /10799	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 76	Date of Summary: 29-DEC-1995	First Sample Examined: 0
Lease Number: G15276	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11766
API Well Number: 177114119000	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 28-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10515 / 9887	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11640 /10622	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12280 /11036	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 76	Date of Summary: 27-FEB-2001	First Sample Examined: 0
Lease Number: G15276	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10450
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10450
API Well Number: 177114131900	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 24
Public Info Code: Y 21-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9900	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 76	Date of Summary: 05-FEB-2001	First Sample Examined: 0
Lease Number: G15276	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10148
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 9838
API Well Number: 177114133500	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 24
Public Info Code: Y 03-FEB-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9594	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 79	Date of Summary: 06-OCT-2000	First Sample Examined: 0
Lease Number: G15277	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11896
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10700
API Well Number: 177114132500	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 13-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11080 / 9885	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11720 /10525	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 79	Date of Summary: 04-APR-2001	First Sample Examined: 0
Lease Number: G15277	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15159
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12401
API Well Number: 177114134300	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 25
Public Info Code: Y 19-APR-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8131 / 8064	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8300 / 8201	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
10600 / 9700	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT
11682 /10392	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12594 /10901	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13260 /11262	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14345 /11863	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 87	Date of Summary: 27-MAR-2001	First Sample Examined: 0
Lease Number: 00060	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11150
Well Name: 026	Paleo Done By: OPERATOR	Borehole TVD: 9794
API Well Number: 177114117900	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 14-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9407 / 8818	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 90	Date of Summary: 28-JUN-1995	First Sample Examined: 0
Lease Number: 00063	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13474
Well Name: 056	Paleo Done By: OPERATOR	Borehole TVD: 12528
API Well Number: 177114105800	Drilling Operator: ODECO DRILLING INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 01-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11390 /11090	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12160 /11633	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 92	Date of Summary: 05-JUN-1991	First Sample Examined: 0
Lease Number: G05541	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12865
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 12859
API Well Number: 177114106000	Drilling Operator: ODECO DRILLING INC	Rkb Elevation: 70
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 29
Public Info Code: Y 07-JUN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10950 /10946	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11490 /11484	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11880 /11874	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 92	Date of Summary: 26-FEB-1992	First Sample Examined: 0
Lease Number: G05541	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12245
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 11347
API Well Number: 177114108000	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 08-MAR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 /10041	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
11620 /10934	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 94	<b>Date of Summary:</b> 06-MAR-2003	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G23891	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15508
<b>Well Name:</b> AA001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15504
<b>API Well Number:</b> 177114139000	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12000 - 15508	<b>Water Depth:</b> 25
<b>Public Info Code:</b> Y 27-AUG-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11999	DEF AT first sample examined	DEF AT 2
12450 /12448	DEF AT -----	DEF AT 3
12620 /12618	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
12990 /12988	DEF AT -----	DEF AT 4
13320 /13318	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
14130 /14127	DEF AT -----	DEF AT 3
14520 /14517	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
14910 /14907	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
15508 /15504	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 97	Date of Summary: 15-SEP-2000	First Sample Examined: 0
Lease Number: G18006	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14060
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13024
API Well Number: 177114132200	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 26
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10619 /10553	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11736 /11402	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12002 /11581	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12421 /11864	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 99  
 Lease Number: G13912  
 Well Name: 001  
 API Well Number: 177114115700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 29-MAR-2005

Date of Summary: 17-NOV-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12035  
 Borehole TVD: 12034  
 Rkb Elevation: 92  
 Water Depth: 18  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10679	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11130 /11129	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11520 /11519	DEF AT Cyclammina sp. (local marker)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 101	Date of Summary: 25-MAY-1993	First Sample Examined: 0
Lease Number: G09612	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14242
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12844
API Well Number: 177114111000	Drilling Operator: MURPHY OIL USA INC	Rkb Elevation: 71
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 02-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4990 / 4990	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10350 / 9947	DEF AT Cyclammina sp. (local marker)	DEF AT
11880 /11041	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 105	Date of Summary: 21-JUN-1990	First Sample Examined: 7500
Lease Number: G09614	Source of Paleo: OPERATOR	Borehole MD: 12910
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12906
API Well Number: 177114102100	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 7500 - 12910	Water Depth: 39
Public Info Code: Y 28-JUL-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7497	DEF AT first sample examined	DEF IN 2
8580 / 8576	POS AT Lower Pliocene (Zanclian) Buliminella 1	POS IN 3
9420 / 9415	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF IN 3
9480 / 9475	DEF AT Eggerella sp. (local marker)	DEF IN 3
10829 /10823	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
10830 /10824	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
11679 /11673	DEF AT Eggerella 3 (local marker)	DEF AT 4
11680 /11674	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
11990 /11984	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
12910 /12904	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 105	Date of Summary: 05-APR-1991	First Sample Examined: 9300
Lease Number: G09614	Source of Paleo: OPERATOR	Borehole MD: 12950
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12950
API Well Number: 177114105700	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 9300 - 12950	Water Depth: 31
Public Info Code: Y 04-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9300 / 9299	DEF AT first sample examined	DEF IN 3
9480 / 9479	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF IN 3
10590 /10589	DEF AT - - - - -	DEF AT 4
10770 /10769	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
11970 /11968	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
12950 /12948	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 105	Date of Summary: 03-JUN-1997	First Sample Examined: 0
Lease Number: G09614	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16219
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 16215
API Well Number: 177114124000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 14-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10235 /10234	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11540 /11539	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13520 /13519	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15040 /15038	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 105	Date of Summary: 01-FEB-1997	First Sample Examined: 10000
Lease Number: G09614	Source of Paleo: OPERATOR	Borehole MD: 16838
Well Name: B004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16239
API Well Number: 177114122400	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10000 - 16750	Water Depth: 34
Public Info Code: Y 11-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9999	DEF AT first sample examined	DEF AT 1
10360 /10359	DEF AT Arenaceous fauna (local marker)	DEF AT 1
10420 /10419	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 1
10630 /10628	DEF AT pyrite	DEF AT 1
10720 /10718	DEF AT Cyclammina sp. (local marker)	DEF AT 1
11200 /11198	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
11680 /11678	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 1
12098 /12096	POS AT unconformity	DEF AT 1
12099 /12097	POS AT fault	DEF AT 1
12100 /12098	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12160 /12158	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 2
12350 /12347	DEF AT Arenaceous fauna (local marker)	DEF AT 2
13040 /13028	DEF AT sample gap top	POS AT 2
13480 /13454	DEF AT sample gap bottom	DEF AT 2
13481 /13455	DEF AT Arenaceous fauna (local marker)	DEF AT 2
13600 /13569	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13630 /13597	DEF AT local marker benthic foram increase	DEF AT 4
13690 /13653	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 4
13750 /13710	DEF AT faunal change (no faunal increase)	DEF AT 3
13810 /13766	DEF AT pyrite	POS AT 4
13870 /13823	DEF AT reworked material	DEF AT 3
13990 /13934	DEF AT faunal change (no faunal increase)	POS AT 2

**This report contains public paleo reports only for the time period stated**



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 105	Date of Summary: 01-FEB-1997	First Sample Examined: 10000
Lease Number: G09614	Source of Paleo: OPERATOR	Borehole MD: 16838
Well Name: B004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16239
API Well Number: 177114122400	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10000 - 16750	Water Depth: 34
Public Info Code: Y 11-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14170 /14097	DEF AT local marker benthic foram increase	DEF AT 3
14290 /14204	DEF AT faunal change (no faunal increase)	DEF AT 2
14380 /14284	DEF AT local marker benthic foram increase	DEF AT 2
14440 /14338	DEF AT local marker planktic foram increase	POS AT 3
14560 /14444	DEF AT faunal change (no faunal increase)	DEF AT 2
14740 /14601	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
14860 /14702	DEF AT Arenaceous fauna (local marker)	DEF AT 2
15460 /15194	POS AT local marker foram increase	DEF AT 2
15610 /15312	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
15820 /15476	DEF AT faunal change (no faunal increase)	POS AT 1
16210 /15778	DEF AT local marker benthic foram increase	DEF AT 3
16330 /15869	DEF AT faunal change (no faunal increase)	DEF AT 2
16390 /15914	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 2
16480 /15980	DEF AT local marker planktic foram increase	DEF AT 2
16540 /16024	DEF AT pyrite	DEF AT 2
16750 /16176	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 105	Date of Summary: 21-JAN-1999	First Sample Examined: 0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 16905
API Well Number: 177114124500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 27-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10530 /10529	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11810 /11809	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13740 /13723	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15290 /15058	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 108  
 Lease Number: 00814  
 Well Name: 043  
 API Well Number: 177114134900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 10-NOV-2011

Date of Summary: 21-NOV-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: HUNT OIL COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 18500  
 Borehole TVD: 18489  
 Rkb Elevation: 100  
 Water Depth: 23  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12400 /12400	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13700 /13699	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14910 /14909	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
15690 /15689	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 113	Date of Summary: 20-JUN-2001	First Sample Examined: 0
Lease Number: 00067	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12300
Well Name: 045	Paleo Done By: OPERATOR	Borehole TVD: 12095
API Well Number: 177114101000	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 46
Public Info Code: Y 03-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8660 / 8656	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10500 /10401	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT
10740 /10626	DEF AT gouge	DEF AT
11537 /11371	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 113	<b>Date of Summary:</b> 12-MAR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00067	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10372
<b>Well Name:</b> 051	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10076
<b>API Well Number:</b> 177114108300	<b>Drilling Operator:</b> ODECO OIL & GAS COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 01-MAY-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7290 / 7282	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10170 / 9893	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 113	Date of Summary: 18-JUL-2001	First Sample Examined: 0
Lease Number: 00067	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11017
Well Name: 052	Paleo Done By: OPERATOR	Borehole TVD: 10074
API Well Number: 177114104000	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 21-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8558	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10933 /10014	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 114	<b>Date of Summary:</b> 20-OCT-2001	<b>First Sample Examined:</b> 8160
<b>Lease Number:</b> 00064	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12895
<b>Well Name:</b> 008	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 11199
<b>API Well Number:</b> 177114136100	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8160 - 12895	<b>Water Depth:</b> 55
<b>Public Info Code:</b> Y 29-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8160 / 7956	DEF AT first sample examined	DEF AT 1
10950 / 9869	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 2
12870 /11182	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 117	Date of Summary: 15-OCT-1998	First Sample Examined: 0
Lease Number: 00065	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11132
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 10842
API Well Number: 177114102000	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 03-AUG-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7720 / 7719	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9590 / 9469	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 117	Date of Summary: 16-JAN-1990	First Sample Examined: 0
Lease Number: 00065	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10750
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 10729
API Well Number: 177114100700	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 56
Public Info Code: Y 13-FEB-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7700 / 7695	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9440 / 9431	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT
10240 /10223	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 117	Date of Summary: 13-JUN-2008	First Sample Examined: 13634
Lease Number: G24925	Source of Paleo: OPERATOR	Borehole MD: 18812
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16460
API Well Number: 177114151900	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 13634 - 18532	Water Depth: 49
Public Info Code: Y 25-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13634 /13425	DEF AT first sample examined	POS AT 4
13918 /13619	DEF AT - - - - -	DEF AT 4
14105 /13736	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
14294 /13846	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
15055 /14285	DEF AT sample gap top	POS AT 4
17010 /15415	DEF AT sample gap bottom	DEF AT 4
17110 /15473	DEF AT sample gap top	POS AT 4
17585 /15749	DEF AT sample gap bottom	DEF AT 4
17675 /15801	POS IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
18339 /16186	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
18340 /16187	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
18532 /16299	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 117	Date of Summary: 12-AUG-2008	First Sample Examined: 16331
Lease Number: G24925	Source of Paleo: OPERATOR	Borehole MD: 19394
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16655
API Well Number: 177114151901	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 16331 - 19394	Water Depth: 59
Public Info Code: Y 25-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16331 /15031	DEF AT first sample examined	DEF AT 4
16332 /15032	POS AT out-of-place section	DEF AT 4
16426 /15091	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
19394 /16655	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 118	Date of Summary: 03-OCT-1994	First Sample Examined: 0
Lease Number: 00068	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10863
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 10783
API Well Number: 177114113400	Drilling Operator: MURPHY OIL USA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 02-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7850 / 7849	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9770 / 9757	DEF AT Cyclammia sp. (local marker)	DEF AT
10730 / 10660	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 119	Date of Summary: 08-FEB-1996	First Sample Examined: 0
Lease Number: 00040	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9817
Well Name: X001	Paleo Done By: OPERATOR	Borehole TVD: 9480
API Well Number: 177114115100	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 16-NOV-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5330 / 5079	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7165 / 6834	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 119	<b>Date of Summary:</b> 13-FEB-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00040	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11679
<b>Well Name:</b> X002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11215
<b>API Well Number:</b> 177114115200	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 18-DEC-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5894	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8670 / 8422	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10020 / 9635	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 119	Date of Summary: 23-FEB-1995	First Sample Examined: 0
Lease Number: 00066	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11252
Well Name: Q002	Paleo Done By: OPERATOR	Borehole TVD: 10282
API Well Number: 177114109300	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 15-JUL-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9053 / 8839	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10661 / 9886	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 119	<b>Date of Summary:</b> 06-SEP-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00066	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11428
<b>Well Name:</b> W001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10422
<b>API Well Number:</b> 177114114400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 28-AUG-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8140 / 8062	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8290 / 8190	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT



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End Date: 01-DEC-2016

Area Block: SS 126	Date of Summary: 23-JUL-2001	First Sample Examined: 0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16334
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 16281
API Well Number: 177114134203	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 29-JUN-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14430 /14378	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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End Date: 01-DEC-2016

Area Block: SS 126	Date of Summary: 04-OCT-2001	First Sample Examined: 0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15846
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 15508
API Well Number: 177114135400	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 21-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14553 /14349	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 126	Date of Summary: 16-JAN-1997	First Sample Examined: 0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16500
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 16293
API Well Number: 177114122000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 27-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13850 /13848	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 126	Date of Summary: 08-JUN-2000	First Sample Examined: 0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15930
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 15792
API Well Number: 177114122002	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 141
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 09-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14993 /14977	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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Start Date: 01-JAN-2000

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Area Block: SS 128	Date of Summary: 15-AUG-1990	First Sample Examined: 8560
Lease Number: G08707	Source of Paleo: OPERATOR	Borehole MD: 18750
Well Name: A001	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 18733
API Well Number: 177114097600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 76
Paleo Report Num: 1 of 2	Sample Range: 8560 - 16530	Water Depth: 56
Public Info Code: Y 03-SEP-2000	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8560 / 8560	DEF AT first sample examined	DEF AT 1
8950 / 8950	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 1
9870 / 9870	DEF AT Cyclammina sp. (local marker)	DEF AT 1
9989 / 9989	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 1
9990 / 9990	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 1
10290 /10289	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
10920 /10919	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
11430 /11429	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 1
12090 /12089	DEF AT Cyclammina sp. (local marker)	DEF AT 1
12900 /12899	DEF AT Cyclammina sp. (local marker)	DEF AT 2
13230 /13229	DEF AT - - - - -	DEF AT 1
13860 /13859	DEF AT Arenaceous fauna (local marker)	DEF AT 2
14430 /14429	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 3
14550 /14549	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
14640 /14639	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
14790 /14789	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 3
14850 /14849	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
15390 /15387	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
15600 /15597	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
15930 /15927	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
16500 /16497	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 128	Date of Summary: 15-AUG-1990	First Sample Examined: 15230
Lease Number: G08707	Source of Paleo: OPERATOR	Borehole MD: 18750
Well Name: A001	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 18733
API Well Number: 177114097600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 76
Paleo Report Num: 2 of 2	Sample Range: 15230 - 18740	Water Depth: 56
Public Info Code: Y 03-SEP-2000	Ecozone Eq MMS: Y	Paleo ID: 004

**Remark:** Consultant-integrated foram and nanno report for sidetrack, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15230 /15228	DEF AT first sample examined	DEF AT 2
15560 /15557	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
16160 /16157	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
16310 /16307	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 2
16370 /16367	DEF AT -----	DEF AT 3
16610 /16607	DEF AT -----	DEF AT 1
17030 /17027	DEF AT -----	DEF AT 3
17270 /17267	POS AT -----	DEF AT 4
17329 /17326	DEF AT Bathysiphon fauna	DEF AT 4
17330 /17327	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
17690 /17687	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
18110 /18105	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
18500 /18489	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
18560 /18548	DEF AT deepwater facies Listerella fauna	DEF AT 4
18740 /18724	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 129	Date of Summary: 28-OCT-1996	First Sample Examined: 0
Lease Number: G12941	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11616
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11167
API Well Number: 177114107900	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 07-APR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11060 /10665	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 129	Date of Summary: 08-APR-1996	First Sample Examined: 4260
Lease Number: G12941	Source of Paleo: OPERATOR	Borehole MD: 13860
Well Name: A003	Paleo Done By: THOMAS REILLY	Borehole TVD: 12873
API Well Number: 177114120100	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 4260 - 13858	Water Depth: 48
Public Info Code: Y 19-APR-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4260 / 4259	DEF AT first sample examined	DEF IN 2
4740 / 4739	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5010 / 5009	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
5760 / 5759	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
8970 / 8969	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 3
10230 /10195	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
11970 /11545	DEF AT Cyclamina sp. (local marker)	DEF AT 5
13200 /12403	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
13858 /12872	DEF AT last sample examined	DEF AT 5



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End Date: 01-DEC-2016

Area Block: SS 129	Date of Summary: 18-SEP-2001	First Sample Examined: 0
Lease Number: G12941	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18178
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 17733
API Well Number: 177114135300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 01-SEP-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11429 /11428	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12660 /12659	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
14510 /14479	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
16419 /16150	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 138	<b>Date of Summary:</b> 23-OCT-2006	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G27127	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16324
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16321
<b>API Well Number:</b> 177114149800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 124
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12000 - 16230	<b>Water Depth:</b> 62
<b>Public Info Code:</b> Y 17-MAR-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11999	DEF AT first sample examined	DEF IN 2
12570 /12568	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF IN 2
13050 /13048	DEF AT - - - - -	DEF AT 3
13140 /13138	DEF AT Cyclammina sp. (local marker)	DEF AT 3
14090 /14088	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16110 /16107	DEF AT local marker benthic foram increase	DEF AT 4
16230 /16227	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 138	Date of Summary: 23-OCT-2006	First Sample Examined: 15907
Lease Number: G27127	Source of Paleo: OPERATOR	Borehole MD: 16470
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16466
API Well Number: 177114149801	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 15907 - 16470	Water Depth: 62
Public Info Code: Y 17-MAR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15907 /15903	DEF AT first sample examined	DEF AT 4
15908 /15904	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16109 /16105	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
16110 /16106	DEF AT Eggerella sp. (local marker)	DEF AT 4
16470 /16466	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 139	Date of Summary: 17-NOV-2000	First Sample Examined: 0
Lease Number: G21115	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16660
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 177114131000	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 23-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13020 /12695	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14116 /13418	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 139	Date of Summary: 09-NOV-2000	First Sample Examined: 0
Lease Number: G21115	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16720
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15032
API Well Number: 177114130400	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 23-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12669 /12550	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
13990 /13350	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 145	Date of Summary: 06-SEP-1995	First Sample Examined: 0
Lease Number: G11984	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8221
Well Name: B013	Paleo Done By: OPERATOR	Borehole TVD: 6254
API Well Number: 177114117401	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 43
Public Info Code: Y 22-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6410 / 5735	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 148	Date of Summary: 02-OCT-1991	First Sample Examined: 0
Lease Number: G11983	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15097
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14500
API Well Number: 177114106400	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 07-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5440 / 5440	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8405 / 8405	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10252 /10247	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
13245 /12856	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 150	<b>Date of Summary:</b> 04-DEC-1990	<b>First Sample Examined:</b> 7600
<b>Lease Number:</b> 00419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11101
<b>Well Name:</b> 010	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9518
<b>API Well Number:</b> 177114104600	<b>Drilling Operator:</b> CENTURY OFFSHORE MANAGEMENT	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7600 - 11100	<b>Water Depth:</b> 54
<b>Public Info Code:</b> Y 01-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7600 / 7018	DEF AT first sample examined	DEF AT 2
7601 / 7019	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
7840 / 7186	DEF AT faunal change (no faunal increase)	POS AT 3
9440 / 8320	POS AT Lower Pliocene (Zanclian) Buliminella 1	POS AT 3
9530 / 8385	DEF AT pyrite	DEF AT 3
10500 / 9081	DEF AT Cyclammina sp. (local marker)	DEF AT 3
10560 / 9124	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
10890 / 9363	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11100 / 9517	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 150	<b>Date of Summary:</b> 11-DEC-1990	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> 00419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11962
<b>Well Name:</b> 010	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10347
<b>API Well Number:</b> 177114104601	<b>Drilling Operator:</b> CENTURY OFFSHORE MANAGEMENT	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7000 - 11957	<b>Water Depth:</b> 54
<b>Public Info Code:</b> Y 10-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6602	DEF AT first sample examined	DEF AT 2
7001 / 6603	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
7947 / 7273	POS AT -----	POS AT 3
10357 / 9109	DEF AT Upper Miocene (Messinian) Textularia "X"	POS AT 3
11017 / 9615	DEF AT -----	DEF AT 4
11957 / 10343	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 150	<b>Date of Summary:</b> 06-NOV-1990	<b>First Sample Examined:</b> 7520
<b>Lease Number:</b> 00419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13000
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11064
<b>API Well Number:</b> 177114103800	<b>Drilling Operator:</b> CENTURY OFFSHORE MANAGEMENT	<b>Rkb Elevation:</b> 103
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7520 - 12773	<b>Water Depth:</b> 54
<b>Public Info Code:</b> Y 02-DEC-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7520 / 6968	DEF AT first sample examined	DEF IN 2
7521 / 6969	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 2
8420 / 7618	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
9620 / 8537	DEF AT -----	POS AT 3
10080 / 8899	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
12476 /10686	DEF AT -----	DEF AT 4
12773 /10899	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 150	Date of Summary: 06-NOV-1990	First Sample Examined: 7110
Lease Number: 00419	Source of Paleo: OPERATOR	Borehole MD: 13000
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11064
API Well Number: 177114103800	Drilling Operator: CENTURY OFFSHORE MANAGEMENT	Rkb Elevation: 103
Paleo Report Num: 2 of 2	Sample Range: 7110 - 12960	Water Depth: 54
Public Info Code: Y 02-DEC-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7110 / 6674	DEF AT first sample examined	DEF AT 2
7111 / 6675	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8490 / 7669	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
9570 / 8498	DEF AT -----	POS AT 3
9990 / 8829	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
12000 /10335	DEF AT -----	DEF AT 4
12960 /11035	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 151	Date of Summary: 15-JAN-1998	First Sample Examined: 0
Lease Number: G15282	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12512
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12507
API Well Number: 177114125700	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 66
Public Info Code: Y 23-DEC-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /11297	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 154	<b>Date of Summary:</b> 18-AUG-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00420	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7944
<b>Well Name:</b> 009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7221
<b>API Well Number:</b> 177110058902	<b>Drilling Operator:</b> PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 56
<b>Public Info Code:</b> Y 31-JAN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5330 / 5154	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
5810 / 5584	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
7010 / 6512	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 154	<b>Date of Summary:</b> 27-FEB-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00420	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7756
<b>Well Name:</b> C024	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6780
<b>API Well Number:</b> 177114115800	<b>Drilling Operator:</b> PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 56
<b>Public Info Code:</b> Y 01-MAR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3730 / 3707	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4450 / 4317	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
4810 / 4589	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
6730 / 5938	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
7450 / 6519	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7593 / 6638	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 156	<b>Date of Summary:</b> 15-MAY-1992	<b>First Sample Examined:</b> 9610
<b>Lease Number:</b> G10770	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12130
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11516
<b>API Well Number:</b> 177114108900	<b>Drilling Operator:</b> PG&E RESOURCES OFFSHORE CO	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9610 - 12130	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 23-MAY-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9610 / 9310	DEF AT first sample examined	DEF IN 3
11020 /10551	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF IN 3
12130 /11519	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 157  
Lease Number: G08709  
Well Name: A001  
API Well Number: 177114103700  
Paleo Report Num: 1 of 1  
Public Info Code: Y 18-OCT-2000

Date of Summary: 09-NOV-1998  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: NEWFIELD EXPLORATION COMPANY  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 11732  
Borehole TVD: 11732  
Rkb Elevation: 107  
Water Depth: 52  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 6000	POS AT Pliocene	DEF AT
7850 / 7850	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9750 / 9749	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
10650 /10649	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 157	Date of Summary: 21-FEB-1992	First Sample Examined: 0
Lease Number: G08709	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11530
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11250
API Well Number: 177114105200	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 25-FEB-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5999	POS AT Pliocene	DEF AT
7820 / 7819	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9850 / 9726	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
10950 /10723	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 157	Date of Summary: 21-FEB-1992	First Sample Examined: 0
Lease Number: G10770	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12479
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11379
API Well Number: 177114106600	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 17-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 6013	POS AT Pliocene	DEF AT
8500 / 7816	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10800 / 9885	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
11950 /10914	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 157	Date of Summary: 10-JAN-1992	First Sample Examined: 0
Lease Number: G10770	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12010
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 11340
API Well Number: 177114107100	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 08-DEC-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5970 / 5934	POS AT Pliocene	DEF AT
8000 / 7751	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10300 / 9802	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
11368 / 10752	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 157	Date of Summary: 21-FEB-1992	First Sample Examined: 0
Lease Number: G10772	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12457
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 11240
API Well Number: 177114106800	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 16-NOV-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6248	POS AT Pliocene	DEF AT
8500 / 7826	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10650 / 9651	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
11850 /10712	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 169	Date of Summary: 23-JUL-1998	First Sample Examined: 10900
Lease Number: 00820	Source of Paleo: OPERATOR	Borehole MD: 16000
Well Name: H012	Paleo Done By: OPERATOR	Borehole TVD: 15284
API Well Number: 177114125001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 10900 - 15970	Water Depth: 56
Public Info Code: Y 16-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10900 /10192	DEF AT first sample examined	DEF AT
10901 /10193	DEF AT cement	DEF AT
10960 /10250	DEF AT non-marine sediment	DEF AT 0
11020 /10308	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
11079 /10366	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11080 /10367	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
12430 /11714	DEF AT - - - - -	DEF AT 4
13510 /12794	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
13810 /13094	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
14770 /14054	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
15016 /14300	DEF AT local marker deep water fauna	DEF AT 4
15970 /15254	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 173	<b>Date of Summary:</b> 14-JUN-2004	<b>First Sample Examined:</b> 10020
<b>Lease Number:</b> G22709	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16795
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16793
<b>API Well Number:</b> 177114141600	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10020 - 17000	<b>Water Depth:</b> 75
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 /10020	DEF AT first sample examined	DEF IN 1
10021 /10021	DEF IN Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri	DEF IN 1
10080 /10080	DEF AT Cyclammina sp. (local marker)	DEF IN 2
10140 /10140	DEF AT local marker benthic foram increase	DEF IN 2
10170 /10170	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 2
10200 /10200	DEF AT local marker foram decrease	DEF IN 2
10260 /10260	DEF AT local marker benthic foram increase	DEF AT 2
10290 /10290	DEF AT local marker foram decrease	DEF AT 2
10350 /10350	DEF AT local marker benthic foram increase	DEF AT 2
10470 /10470	DEF AT local marker foram decrease	DEF AT 2
10890 /10890	DEF AT local marker benthic foram increase	DEF AT 2
11250 /11250	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
11340 /11340	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 2
11460 /11459	DEF AT faunal change (no faunal increase)	DEF AT 2
11520 /11519	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
11550 /11549	DEF AT local marker foram decrease	DEF IN 2
11850 /11849	DEF AT local marker benthic foram increase	DEF IN 2
12030 /12029	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12480 /12479	DEF AT local marker foram increase	DEF IN 2
12509 /12508	DEF AT pyrite	DEF IN 2
12510 /12509	DEF AT local marker foram decrease	DEF IN 2
12690 /12689	POS AT Arenaceous fauna (local marker)	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12750 /12749	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12870 /12869	DEF AT local marker benthic foram increase	DEF AT 3
13080 /13079	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
13110 /13109	DEF AT local marker foram increase	DEF AT 3
13200 /13199	DEF AT local marker benthic foram increase	DEF AT 3
13349 /13348	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
13350 /13349	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
13380 /13379	DEF AT local marker benthic foram increase	DEF IN 3
13516 /13515	DEF AT local marker foram decrease	DEF AT 3
13590 /13589	DEF AT local marker benthic foram increase	DEF AT 3
13620 /13619	DEF AT local marker foram decrease	DEF AT 3
13920 /13919	DEF AT Arenaceous fauna (local marker)	DEF AT 3
14010 /14009	DEF AT faunal change (no faunal increase)	DEF AT 3
14070 /14069	DEF AT Bathysiphon fauna	DEF AT 3
14100 /14099	DEF AT local marker foram decrease	DEF AT 3
14160 /14159	DEF AT local marker benthic foram increase	DEF AT 3
14190 /14189	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
14340 /14339	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
14580 /14579	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
14610 /14609	DEF AT local marker foram decrease	DEF IN 3
14700 /14699	DEF AT local marker benthic foram increase	DEF IN 3
14760 /14759	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
14970 /14969	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 4
15000 /14999	DEF AT drilling material	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15060 /15058	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15210 /15208	DEF AT local marker foram decrease	DEF AT 4
15270 /15268	DEF AT Cyclammina sp. (local marker)	DEF IN 4
15330 /15328	DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
15420 /15418	DEF AT local marker foram decrease	DEF AT 4
15450 /15448	DEF AT pyrite	DEF AT 4
15480 /15478	DEF AT local marker foram increase	DEF AT 4
15510 /15508	DEF AT local marker foram decrease	DEF AT 4
15690 /15688	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
15810 /15808	DEF AT drilling material	DEF AT 4
15900 /15898	DEF AT local marker deep water fauna	DEF IN 4
15960 /15958	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
16020 /16018	DEF AT local marker foram decrease	DEF IN 4
16080 /16078	DEF AT local marker deep water fauna	DEF AT 5
16170 /16168	DEF AT Eggerella sp. (local marker)	DEF AT 5
16290 /16288	DEF AT local marker planktic foram increase	DEF AT 5
16380 /16378	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 4
16440 /16438	DEF AT Arenaceous fauna (local marker)	DEF IN 4
16470 /16468	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
16560 /16558	DEF AT local marker foram decrease	DEF AT 5
17000 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 /10020	DEF AT first sample examined	DEF AT
10080 /10080	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
10860 /10860	DEF AT local marker floral decrease	DEF AT
11580 /11579	DEF AT local marker floral increase	DEF AT
12060 /12059	POS AT local marker floral increase	DEF AT
12120 /12119	DEF AT local marker floral decrease	DEF AT
12540 /12539	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
12600 /12599	DEF AT local marker foram decrease	DEF AT
12840 /12839	DEF AT local marker floral increase	DEF AT
12960 /12959	DEF AT local marker floral decrease	DEF AT
13200 /13199	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13290 /13289	DEF AT local marker floral decrease	DEF AT
13560 /13559	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13740 /13739	DEF AT local marker floral decrease	DEF AT
14220 /14219	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14280 /14279	DEF AT local marker floral decrease	DEF AT
14820 /14819	POS AT local marker floral increase	DEF AT
14970 /14969	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
15030 /15029	DEF AT floral flood	DEF AT
15270 /15268	DEF AT local marker floral decrease	DEF AT
15390 /15388	DEF AT floral flood	DEF AT
15510 /15508	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15570 /15568	DEF AT Upper Miocene (Tortonian) Discoaster challengeri (updip)	DEF AT
15750 /15748	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15810 /15808	DEF AT local marker floral decrease	DEF AT
15870 /15868	DEF AT local marker floral increase	DEF AT
16050 /16048	DEF AT floral flood	DEF AT
16230 /16228	DEF AT local marker floral decrease	DEF AT
16350 /16348	DEF AT local marker floral increase	DEF AT
16410 /16408	DEF AT floral flood	DEF AT
16470 /16468	DEF AT local marker floral decrease	DEF AT
16590 /16588	DEF AT local marker floral increase	DEF AT
17000 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 174	Date of Summary: 04-NOV-1994	First Sample Examined: 0
Lease Number: 00590	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11416
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 9640
API Well Number: 177114115001	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 23-NOV-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9692 / 8603	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10900 / 9341	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 181	Date of Summary: 26-AUG-1996	First Sample Examined: 7500
Lease Number: G04231	Source of Paleo: OPERATOR	Borehole MD: 12764
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 10897
API Well Number: 177114120000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 7500 - 12724	Water Depth: 66
Public Info Code: Y 09-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7500 / 7494	DEF AT first sample examined	DEF AT 1
7620 / 7612	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 1
8430 / 8379	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
8850 / 8717	DEF AT - - - - -	DEF AT 2
9390 / 9037	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
9750 / 9227	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
11400 /10127	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
11580 /10226	DEF AT - - - - -	DEF AT 3
11790 /10342	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
12724 /10874	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 182	Date of Summary: 20-FEB-1994	First Sample Examined: 6000
Lease Number: G01019	Source of Paleo: OPERATOR	Borehole MD: 9250
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9250
API Well Number: 177114111200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 67
Paleo Report Num: 1 of 1	Sample Range: 6000 - 9250	Water Depth: 66
Public Info Code: Y 31-MAY-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 /	DEF AT first sample examined	DEF AT 2
6210 /	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
6390 /	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
7530 /	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
7830 /	DEF AT -----	DEF AT 1
8310 /	DEF AT -----	DEF AT 2
8520 /	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
8730 /	DEF AT -----	DEF AT 1
9250 /	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 188	Date of Summary: 06-JUN-2012	First Sample Examined: 17650
Lease Number: G22712	Source of Paleo: OPERATOR	Borehole MD: 20877
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20875
API Well Number: 177114154900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 17650 - 20877	Water Depth: 72
Public Info Code: Y 29-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17650 /17650	DEF AT first sample examined	DEF IN 3
19110 /19109	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 3
20081 /20080	DEF AT - - - - -	DEF AT 4
20190 /20189	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
20220 /20219	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
20819 /20817	DEF AT gypsum	POS AT 4
20820 /20818	DEF AT salt	POS AT 4
20877 /20875	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 188	Date of Summary: 03-OCT-2012	First Sample Examined: 19876
Lease Number: G22712	Source of Paleo: OPERATOR	Borehole MD: 21840
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21836
API Well Number: 177114154901	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 19876 - 21840	Water Depth: 72
Public Info Code: Y 29-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19876 /19875	DEF AT first sample examined	POS AT 4
20100 /20098	DEF AT - - - - -	DEF AT 4
20219 /20217	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
20220 /20218	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
20818 /20816	DEF AT gypsum	DEF AT 4
20819 /20817	DEF AT anhydrite	DEF AT 4
20820 /20818	POS AT salt	DEF AT 4
20875 /20872	DEF AT base of salt	DEF AT 4
20905 /20902	POS AT reworked material	DEF AT 4
20980 /20977	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21400 /21397	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21430 /21427	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21840 /21836	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 188	Date of Summary: 18-JAN-2013	First Sample Examined: 21803
Lease Number: G22712	Source of Paleo: OPERATOR	Borehole MD: 25590
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25584
API Well Number: 177114154902	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 21803 - 25590	Water Depth: 72
Public Info Code: Y 29-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21803 /21799	DEF AT first sample examined	DEF AT 4
21804 /21800	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
22180 /22176	DEF AT - - - - -	DEF AT 5
22239 /22235	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
22240 /22236	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
22629 /22625	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
22630 /22626	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
22650 /22646	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22651 /22647	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
22652 /22648	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
22679 /22675	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
22680 /22676	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 190	Date of Summary: 03-FEB-1990	First Sample Examined: 7980
Lease Number: G10775	Source of Paleo: OPERATOR	Borehole MD: 15786
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15320
API Well Number: 177114100300	Drilling Operator: HARBERT ENERGY CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 7980 - 15786	Water Depth: 76
Public Info Code: Y 15-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7692	DEF AT first sample examined	DEF AT 3
7981 / 7693	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
8250 / 7948	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 3
8940 / 8601	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9330 / 8971	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
10920 /10498	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
11010 /10586	DEF AT Eggerella sp. (local marker)	DEF AT 3
11700 /11258	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 3
11940 /11491	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
13320 /12860	DEF AT - - - - -	DEF AT 4
13380 /12920	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
13800 /13340	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
13860 /13400	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
15760 /15295	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
15786 /15320	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 192	Date of Summary: 17-JUN-1998	First Sample Examined: 0
Lease Number: G16390	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14201
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13213
API Well Number: 177114125100	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 07-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12800 /11832	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 193	Date of Summary: 04-JAN-1995	First Sample Examined: 0
Lease Number: G13917	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12360
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11780
API Well Number: 177114115300	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 76
Public Info Code: Y 17-DEC-2004	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10290 / 9828	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11250 /10706	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 193	Date of Summary: 26-APR-1995	First Sample Examined: 0
Lease Number: G13917	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15143
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 11845
API Well Number: 177114116000	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 76
Public Info Code: Y 23-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13200 /10042	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
14283 /11011	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 194	Date of Summary: 26-MAY-1998	First Sample Examined: 0
Lease Number: G15288	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15087
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14173
API Well Number: 177114121300	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 08-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11898 /11893	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12104 /12087	DEF IN Upper (Late) Miocene	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 198	Date of Summary: 01-JUL-1996	First Sample Examined: 0
Lease Number: 00593	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14500
Well Name: K004	Paleo Done By: OPERATOR	Borehole TVD: 14498
API Well Number: 177114119200	Drilling Operator: CONOCO INC	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 31-MAY-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5520 / 5519	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6660 / 6659	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9780 / 9779	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10290 /10289	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
10890 /10889	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13350 /13348	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14190 /14188	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 206	Date of Summary: 21-NOV-1995	First Sample Examined: 0
Lease Number: G01522	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11670
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD: 11103
API Well Number: 177114118100	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 17-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8478 / 7954	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 209	Date of Summary: 15-SEP-1991	First Sample Examined: 4200
Lease Number: 00827	Source of Paleo: OPERATOR	Borehole MD: 9745
Well Name: D010	Paleo Done By: OPERATOR	Borehole TVD: 9329
API Well Number: 177114105900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4200 - 9725	Water Depth: 103
Public Info Code: Y 13-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 4200	DEF AT first sample examined	DEF AT 3
4201 / 4201	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4434 / 4433	DEF AT -----	DEF AT 2
4797 / 4789	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 2
5680 / 5610	DEF AT -----	DEF AT 3
5740 / 5664	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5800 / 5718	DEF AT -----	DEF AT 2
5993 / 5895	DEF AT -----	DEF IN 2
6431 / 6298	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 2
6870 / 6701	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
8008 / 7736	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 2
8703 / 8373	DEF AT -----	DEF AT 3
8891 / 8545	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
9725 / 9310	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 209	Date of Summary: 28-DEC-1995	First Sample Examined: 0
Lease Number: G01228	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11150
Well Name: M001	Paleo Done By: OPERATOR	Borehole TVD: 10823
API Well Number: 177114117600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 96
Public Info Code: Y 28-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6165 / 6160	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7931 / 7916	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
8840 / 8824	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 209	Date of Summary: 22-OCT-2000	First Sample Examined: 0
Lease Number: G15289	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17575
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16787
API Well Number: 177114132101	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 84
Public Info Code: Y 27-DEC-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13880 /13722	DEF AT Cyclammina sp. (local marker)	DEF AT
13910 /13747	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
14600 /14320	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
15950 /15452	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
16610 /15994	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
17210 /16486	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT
17240 /16511	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 220	Date of Summary: 19-JUN-1996	First Sample Examined: 5000
Lease Number: G12950	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13761
API Well Number: 177114120700	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5000 - 8420	Water Depth: 57
Public Info Code: Y 15-JUN-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 2
5200 / 5200	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6800 / 6799	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7950 / 7947	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 3
8060 / 8056	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 3
8420 / 8402	DEF AT last sample examined	DEF AT 3

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 220	Date of Summary: 19-JUN-1996	First Sample Examined: 7400
Lease Number: G12950	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13761
API Well Number: 177114120700	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 7400 - 16200	Water Depth: 57
Public Info Code: Y 15-JUN-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 7399	DEF AT first sample examined	DEF AT 3
7550 / 7549	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF AT 3
8210 / 8202	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 3
9260 / 9092	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
10100 / 9677	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
11960 /10942	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
12380 /11220	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 3
12470 /11279	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12800 /11500	DEF AT Bathysiphon fauna	DEF AT 3
12980 /11622	DEF AT Eggerella 3 (local marker)	DEF AT 3
13550 /12018	DEF AT local marker benthic foram increase	DEF AT 3
14090 /12402	DEF AT sample gap top	POS AT 3
14699 /12837	DEF AT sample gap bottom	DEF AT 4
14700 /12838	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
15200 /13204	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
15290 /13272	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
15470 /13404	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
15830 /13661	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
15975 /13762	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 222	Date of Summary: 15-OCT-1990	First Sample Examined: 0
Lease Number: G01525	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12875
Well Name: D010	Paleo Done By: OPERATOR	Borehole TVD: 10500
API Well Number: 177114103400	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 14-SEP-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6658 / 5689	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 222	Date of Summary: 11-SEP-1997	First Sample Examined: 0
Lease Number: G01525	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16942
Well Name: D012	Paleo Done By: OPERATOR	Borehole TVD: 15922
API Well Number: 177114124600	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 141
Public Info Code: Y 06-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8642 / 8641	DEF AT first sample examined	DEF AT 3
8643 / 8642	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
9690 / 9676	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10290 /10204	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
11640 /11277	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11670 /11301	DEF AT -----	DEF AT 4
11700 /11324	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
15130 /14206	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16120 /15139	DEF AT -----	DEF AT 5
16720 /15710	DEF AT -----	DEF AT 6
16930 /15911	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 222	<b>Date of Summary:</b> 03-SEP-1997	<b>First Sample Examined:</b> 13900
<b>Lease Number:</b> G01525	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17632
<b>Well Name:</b> D012	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16256
<b>API Well Number:</b> 177114124601	<b>Drilling Operator:</b> ENERGY RESOURCE TECHNOLOGY GOM LLC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13900 - 17632	<b>Water Depth:</b> 141
<b>Public Info Code:</b> Y 01-OCT-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13900 /13083	DEF AT first sample examined	DEF AT 6
15160 /14118	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 6
16390 /15171	DEF AT -----	DEF AT 5
16960 /15668	DEF AT -----	DEF AT 6
17632 /16256	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 223	<b>Date of Summary:</b> 02-OCT-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01526	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13640
<b>Well Name:</b> F001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10686
<b>API Well Number:</b> 177114115400	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 127
<b>Public Info Code:</b> Y 11-FEB-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5660 / 5650	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5870 / 5851	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12430 / 9953	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 223  
 Lease Number: G01526  
 Well Name: F002  
 API Well Number: 177114115900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 09-MAR-2005

Date of Summary: 01-SEP-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MURPHY EXPLORATION & PRODUCTIO  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11404  
 Borehole TVD: 11086  
 Rkb Elevation: 88  
 Water Depth: 131  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5890 / 5889	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6050 / 6049	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7220 / 7219	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9370 / 9277	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
10870 / 10614	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 225	<b>Date of Summary:</b> 12-NOV-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01984	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13459
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13246
<b>API Well Number:</b> 177114103900	<b>Drilling Operator:</b> EL PASO PRODUCTION COMPANY	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 141
<b>Public Info Code:</b> Y 07-NOV-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5460 / 5460	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6150 / 6150	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7800 / 7800	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9870 / 9810	DEF AT Cyclamina cancellata (local marker)	DEF AT
11130 / 11008	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 225	<b>Date of Summary:</b> 24-JAN-2002	<b>First Sample Examined:</b> 9800
<b>Lease Number:</b> G21657	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16938
<b>Well Name:</b> K001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15635
<b>API Well Number:</b> 177114136002	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9000 - 16938	<b>Water Depth:</b> 147
<b>Public Info Code:</b> Y 31-MAY-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8996	DEF AT first sample examined	DEF AT 4
9480 / 9476	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9780 / 9776	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10530 /10526	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11280 /11276	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13050 /12992	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13350 /13235	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
14190 /13857	DEF AT Eggerella sp. (local marker)	DEF AT 4
14550 /14110	DEF AT Eggerella sp. (local marker)	DEF AT 4
14850 /14326	DEF AT Eggerella sp. (local marker)	DEF AT 4
15060 /14471	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
15089 /14491	DEF AT foram flood	DEF AT 6
15090 /14492	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 6
15270 /14619	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
15419 /14728	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
15420 /14728	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
16938 /15635	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 227	Date of Summary: 30-SEP-2003	First Sample Examined: 16000
Lease Number: G12951	Source of Paleo: OPERATOR	Borehole MD: 20400
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19487
API Well Number: 177114139900	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 16000 - 20400	Water Depth: 128
Public Info Code: Y 24-OCT-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15270	DEF AT first sample examined	DEF AT 4
16001 /15271	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16300 /15566	DEF AT -----	DEF AT 5
16360 /15626	DEF AT -----	DEF AT 6
16780 /16041	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
16870 /16130	DEF AT -----	DEF AT 5
17200 /16456	DEF AT -----	DEF AT 4
17890 /17128	DEF AT -----	DEF AT 5
18790 /18013	DEF AT -----	DEF AT 6
18940 /18161	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
19210 /18426	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
20020 /19168	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
20400 /19487	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 229	Date of Summary: 14-MAR-1996	First Sample Examined: 12020
Lease Number: 00832	Source of Paleo: OPERATOR	Borehole MD: 13484
Well Name: C016	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11346
API Well Number: 177114118700	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 12020 - 13460	Water Depth: 125
Public Info Code: Y 20-FEB-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12020 /10152	DEF AT first sample examined	DEF AT 2
12440 /10481	DEF AT - - - - -	POS AT 3
12500 /10528	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
13460 /11325	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 233	<b>Date of Summary:</b> 10-MAY-1996	<b>First Sample Examined:</b> 14130
<b>Lease Number:</b> G15293	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15961
<b>Well Name:</b> B002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14034
<b>API Well Number:</b> 177114037102	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14130 - 15960	<b>Water Depth:</b> 128
<b>Public Info Code:</b> Y 15-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14130 /12619	DEF AT first sample examined	DEF AT 3
14131 /12620	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
14308 /12762	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
14309 /12763	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
14310 /12764	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
15540 /13713	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
15960 /14033	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 233	Date of Summary: 10-SEP-2008	First Sample Examined: 12700
Lease Number: G15293	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16237
API Well Number: 177114037103	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 12700 - 17000	Water Depth: 132
Public Info Code: Y 19-JUN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram and nanno species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12700 /12111	DEF AT first sample examined	DEF AT 4
13240 /12614	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13690 /13035	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 4
15280 /14529	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
15310 /14558	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
15340 /14588	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
15430 /14675	POS AT maximum flooding surface	DEF AT 5
15460 /14704	DEF AT -----	DEF AT 6
15610 /14851	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
15640 /14881	DEF AT -----	DEF AT 5
16120 /15357	POS AT sequence boundary	DEF AT 5
16180 /15417	DEF AT -----	DEF AT 6
16209 /15446	POS AT maximum flooding surface	DEF AT 6
16210 /15447	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
16600 /15837	POS AT sequence boundary	DEF AT 6
16630 /15867	POS AT maximum flooding surface	DEF AT 6
17000 /16237	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 253	Date of Summary: 25-AUG-1990	First Sample Examined: 1800
Lease Number: G01031	Source of Paleo: OPERATOR	Borehole MD: 12600
Well Name: E014	Paleo Done By: OPERATOR	Borehole TVD: 10770
API Well Number: 177124042100	Drilling Operator: UNION EXPLORATION PARTNERS LTD	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 1800 - 12600	Water Depth: 170
Public Info Code: Y 11-APR-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1800 / 1800	DEF AT first sample examined	DEF AT
2700 / 2695	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4440 / 4186	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5940 / 5376	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7410 / 6546	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7470 / 6594	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9000 / 7815	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9360 / 8098	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9810 / 8463	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10470 / 9031	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11160 / 9616	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
11400 / 9816	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12600 / 10771	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 253	<b>Date of Summary:</b> 22-NOV-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01529	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12447
<b>Well Name:</b> F001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11415
<b>API Well Number:</b> 177124052000	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 163
<b>Public Info Code:</b> Y 18-OCT-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4788 / 4235	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6141 / 5453	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
11638 /10607	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 253	<b>Date of Summary:</b> 22-DEC-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01529	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11996
<b>Well Name:</b> F003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11061
<b>API Well Number:</b> 177124052200	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 163
<b>Public Info Code:</b> Y 25-SEP-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4414 / 4273	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5747 / 5475	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
11177 /10354	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 258	<b>Date of Summary:</b> 12-JUN-1997	<b>First Sample Examined:</b> 6570
<b>Lease Number:</b> G05560	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11455
<b>Well Name:</b> JB004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10420
<b>API Well Number:</b> 177124057100	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6570 - 11455	<b>Water Depth:</b> 148
<b>Public Info Code:</b> Y 08-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6570 / 5611	DEF AT first sample examined	DEF AT 2
7080 / 6082	DEF AT faunal change (no faunal increase)	DEF AT 3
7290 / 6280	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
7470 / 6451	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7830 / 6800	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
8370 / 7332	DEF AT sample gap top	POS AT 3
8490 / 7452	DEF AT sample gap bottom	DEF AT 3
8790 / 7750	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
9150 / 8108	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 3
11455 /10412	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 261	Date of Summary: 01-MAR-1996	First Sample Examined: 5030
Lease Number: G14506	Source of Paleo: OPERATOR	Borehole MD: 13314
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13310
API Well Number: 177124055300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 5030 - 13314	Water Depth: 165
Public Info Code: Y 25-MAR-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5030 / 5030	DEF AT first sample examined	DEF IN 2
5031 / 5031	DEF IN Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 2
5090 / 5090	DEF AT pyrite	DEF IN 2
5150 / 5150	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 2
5510 / 5510	DEF AT faunal change (no faunal increase)	POS AT 2
6110 / 6110	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
6230 / 6230	DEF AT local marker benthic foram increase	DEF AT 3
6349 / 6349	DEF AT pyrite	DEF AT 3
6350 / 6350	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6530 / 6530	DEF AT local marker benthic foram increase	DEF AT 3
6560 / 6560	DEF AT sample gap top	POS AT 3
6650 / 6650	DEF AT sample gap bottom	DEF AT 3
6949 / 6949	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
6950 / 6950	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 3
7250 / 7250	DEF AT faunal change (no faunal increase)	DEF AT 3
7490 / 7490	DEF AT faunal change (no faunal increase)	POS AT 3
7550 / 7550	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
7609 / 7609	DEF AT pyrite	DEF AT 4
7610 / 7610	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 4
7670 / 7670	DEF AT pyrite	DEF AT 4
7730 / 7730	DEF AT local marker benthic foram increase	DEF AT 4
7910 / 7909	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 261	Date of Summary: 01-MAR-1996	First Sample Examined: 5030
Lease Number: G14506	Source of Paleo: OPERATOR	Borehole MD: 13314
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13310
API Well Number: 177124055300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 5030 - 13314	Water Depth: 165
Public Info Code: Y 25-MAR-2002	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7970 / 7969	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 4
8030 / 8029	DEF AT faunal change (no faunal increase)	DEF IN 3
8270 / 8269	DEF AT pyrite	DEF AT 3
8600 / 8599	DEF AT local white Arenaceous fauna	DEF AT 3
8959 / 8958	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
8960 / 8959	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 3
9080 / 9079	DEF AT faunal change (no faunal increase)	DEF AT 3
9499 / 9498	DEF AT local white Arenaceous fauna	DEF AT 3
9500 / 9499	DEF AT Eggerella sp. (local marker)	DEF AT 3
9560 / 9559	DEF AT local marker benthic foram increase	DEF IN 3
9590 / 9589	DEF AT pyrite	DEF IN 3
9620 / 9619	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
9680 / 9679	DEF AT faunal change (no faunal increase)	DEF AT 4
9800 / 9799	DEF AT faunal change (no faunal increase)	DEF IN 3
9920 / 9919	DEF AT local marker benthic foram increase	DEF AT 4
9980 / 9979	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
10040 /10039	DEF AT faunal change (no faunal increase)	DEF IN 3
10280 /10279	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
10459 /10458	DEF AT local white Arenaceous fauna	DEF AT 4
10460 /10459	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
10820 /10819	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
10940 /10939	DEF AT faunal change (no faunal increase)	DEF IN 3
11000 /10998	DEF AT local marker foram decrease	DEF IN 3
11180 /11178	DEF AT faunal change (no faunal increase)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 261	<b>Date of Summary:</b> 01-MAR-1996	<b>First Sample Examined:</b> 5030
<b>Lease Number:</b> G14506	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13314
<b>Well Name:</b> A001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 13310
<b>API Well Number:</b> 177124055300	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 76
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5030 - 13314	<b>Water Depth:</b> 165
<b>Public Info Code:</b> Y 25-MAR-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 /11298	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11540 /11538	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 3
11840 /11837	DEF AT faunal change (no faunal increase)	POS AT 3
12169 /12166	POS AT unconformity	DEF AT 4
12170 /12167	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12200 /12197	DEF AT pyrite	DEF AT 4
12290 /12287	DEF AT local marker benthic foram increase	DEF AT 4
12350 /12347	DEF AT faunal change (no faunal increase)	POS AT 3
12830 /12827	DEF AT Arenaceous fauna (local marker)	POS AT 4
12950 /12947	DEF AT faunal change (no faunal increase)	DEF IN 3
13180 /13176	DEF AT faunal change (no faunal increase)	DEF AT 3
13314 /13310	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 266	Date of Summary: 29-AUG-1991	First Sample Examined: 6500
Lease Number: G01034	Source of Paleo: OPERATOR	Borehole MD: 7565
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 6901
API Well Number: 177124044200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 1010 - 7035	Water Depth: 180
Public Info Code: Y 11-JAN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 6040	DEF AT first sample examined	DEF AT 3
6920 / 6381	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7035 / 6475	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 266	Date of Summary: 29-AUG-1991	First Sample Examined: 5240
Lease Number: G01034	Source of Paleo: OPERATOR	Borehole MD: 7565
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 6901
API Well Number: 177124044200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 5240 - 7565	Water Depth: 180
Public Info Code: Y 11-JAN-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5240 / 5021	DEF AT first sample examined	DEF AT 3
7565 / 6901	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 266	Date of Summary: 08-FEB-2000	First Sample Examined: 0
Lease Number: G01034	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10930
Well Name: B013	Paleo Done By: OPERATOR	Borehole TVD: 9912
API Well Number: 177124049900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 175
Public Info Code: Y 24-MAR-2004	Ecozone Eq MMS:	Paleo ID: 002

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9716 / 8698	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 268	Date of Summary: 20-AUG-1990	First Sample Examined: 2000
Lease Number: G07757	Source of Paleo: OPERATOR	Borehole MD: 4575
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 4574
API Well Number: 177124041700	Drilling Operator: UNION EXPLORATION PARTNERS LTD	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 2000 - 4575	Water Depth: 202
Public Info Code: Y 24-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2000 / 2000	DEF AT first sample examined	DEF IN 2
2090 / 2090	DEF AT -----	DEF AT 1
2300 / 2300	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 1
2330 / 2330	DEF AT -----	DEF AT 2
2450 / 2450	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
4575 / 4574	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 268	Date of Summary: 01-APR-1992	First Sample Examined: 500
Lease Number: G07757	Source of Paleo: OPERATOR	Borehole MD: 8110
Well Name: C004	Paleo Done By: OPERATOR	Borehole TVD: 6140
API Well Number: 177124046400	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 500 - 8080	Water Depth: 202
Public Info Code: Y 20-DEC-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report, 8080=displaced Pliocene fauna

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
500 / 500	DEF AT first sample examined	DEF AT 1
700 / 700	DEF AT -----	DEF AT 2
1060 / 1056	DEF AT -----	DEF AT 1
1330 / 1316	DEF AT cement	DEF AT
1390 / 1372	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
1450 / 1428	DEF AT -----	DEF AT 3
1990 / 1885	DEF AT -----	DEF AT 2
2620 / 2336	DEF AT -----	DEF AT 3
2740 / 2418	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
3820 / 3149	DEF AT cement	POS AT 3
3940 / 3230	DEF AT -----	DEF AT 3
4840 / 3850	DEF AT -----	DEF AT 3
5920 / 4607	DEF AT -----	DEF AT 1
7000 / 5366	DEF AT -----	DEF AT 2
7540 / 5744	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 2
8080 / 6120	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 268	Date of Summary: 01-APR-1992	First Sample Examined: 8530
Lease Number: G07757	Source of Paleo: OPERATOR	Borehole MD: 10130
Well Name: C004	Paleo Done By: OPERATOR	Borehole TVD: 6920
API Well Number: 177124046401	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 8530 - 10120	Water Depth: 202
Public Info Code: Y 01-JAN-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8530 / 6068	DEF AT first sample examined	DEF AT 2
8740 / 6184	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 2
9970 / 6842	DEF AT -----	DEF AT 1
10120 / 6919	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 272	Date of Summary: 19-SEP-1997	First Sample Examined: 0
Lease Number: G16393	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9500
API Well Number: 177124057200	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 225
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7600 / 6505	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 277	Date of Summary: 24-APR-1990	First Sample Examined: 0
Lease Number: G10785	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7120
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 6600
API Well Number: 177124042500	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 219
Public Info Code: Y 21-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3270 / 3019	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5580 / 5078	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6014 / 5507	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 279	Date of Summary: 30-JUL-2001	First Sample Examined: 0
Lease Number: G16395	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6300
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6111
API Well Number: 177124062301	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 198
Public Info Code: Y 17-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5931 / 5773	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 283	Date of Summary: 22-JUL-1998	First Sample Examined: 3750
Lease Number: G15299	Source of Paleo: OPERATOR	Borehole MD: 14605
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14601
API Well Number: 177124058600	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 3750 - 14605	Water Depth: 187
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
3750 / 3748	DEF AT first sample examined	DEF IN 3
5250 / 5248	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
5790 / 5788	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5820 / 5818	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
6750 / 6748	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
6960 / 6958	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
7050 / 7048	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
7260 / 7258	DEF AT local marker foram decrease	DEF AT 5
7500 / 7498	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
7830 / 7828	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8100 / 8098	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9000 / 8998	DEF AT sample gap top	POS AT 5
9990 / 9988	DEF AT sample gap bottom	DEF AT 5
12120 /12118	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
14605 /14601	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 284	Date of Summary: 03-JUN-1998	First Sample Examined: 1320
Lease Number: G18022	Source of Paleo: OPERATOR	Borehole MD: 11400
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11396
API Well Number: 177124058200	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 1320 - 11400	Water Depth: 224
Public Info Code: Y 30-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1320 / 1320	DEF AT first sample examined	DEF AT 2
2280 / 2280	DEF AT -----	DEF AT 3
2700 / 2700	POS AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
3180 / 3180	DEF AT -----	DEF AT 4
3510 / 3510	DEF AT -----	DEF AT 3
4230 / 4230	DEF AT -----	DEF AT 4
7020 / 7019	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
7110 / 7109	DEF AT -----	DEF AT 5
7200 / 7199	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8190 / 8189	DEF AT -----	DEF AT 4
9660 / 9658	DEF AT -----	DEF AT 5
9690 / 9688	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9930 / 9928	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
11040 /11037	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11170 /11167	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
11400 /11396	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> SS 284	<b>Date of Summary:</b> 03-JUN-1998	<b>First Sample Examined:</b> 1320
<b>Lease Number:</b> G18022	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11396
<b>API Well Number:</b> 177124058200	<b>Drilling Operator:</b> EOG RESOURCES INC	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1320 - 11400	<b>Water Depth:</b> 224
<b>Public Info Code:</b> Y 30-JUN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1320 / 1320	DEF AT first sample examined	DEF AT
2730 / 2730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3120 / 3120	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6260 / 6259	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7020 / 7019	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7050 / 7049	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7500 / 7499	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9660 / 9658	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9750 / 9748	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11070 /11067	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11200 /11196	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11400 /11396	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 296	Date of Summary: 25-JUL-2000	First Sample Examined: 4560
Lease Number: G15303	Source of Paleo: OPERATOR	Borehole MD: 12846
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12187
API Well Number: 177124061200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4560 - 12846	Water Depth: 264
Public Info Code: Y 17-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4560 / 4559	DEF AT first sample examined	DEF AT 3
4770 / 4769	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5400 / 5398	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
5760 / 5754	DEF AT pyrite	DEF AT 3
6930 / 6829	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
7290 / 7153	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
7349 / 7206	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
7350 / 7207	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
8040 / 7830	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
8160 / 7938	DEF AT faunal change (no faunal increase)	DEF AT 3
9449 / 9087	DEF AT pyrite	DEF AT 4
9450 / 9088	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
10710 /10202	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11100 /10549	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11160 /10603	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
11190 /10630	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11249 /10684	DEF AT Bathysiphon fauna	DEF AT 5
11250 /10685	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
11279 /10712	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
11280 /10713	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11340 /10768	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 296	Date of Summary: 25-JUL-2000	First Sample Examined: 4560
Lease Number: G15303	Source of Paleo: OPERATOR	Borehole MD: 12846
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12187
API Well Number: 177124061200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4560 - 12846	Water Depth: 264
Public Info Code: Y 17-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11430 /10851	DEF AT Bathysiphon fauna	DEF IN 5
11520 /10934	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN 5
11580 /10990	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
11639 /11044	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11640 /11045	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
11670 /11073	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
11700 /11101	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11729 /11128	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 6
11730 /11129	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
11759 /11156	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
11760 /11157	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11940 /11326	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
12179 /11550	DEF AT Eggerella sp. (local marker)	DEF AT 6
12180 /11551	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
12240 /11608	DEF AT pyrite	DEF AT 6
12330 /11693	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12450 /11807	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
12480 /11836	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
12659 /12007	DEF AT Bathysiphon fauna	DEF AT 6
12660 /12008	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
12840 /12180	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 6
12846 /12186	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 296	<b>Date of Summary:</b> 25-JUL-2000	<b>First Sample Examined:</b> 4560
<b>Lease Number:</b> G15303	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12846
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12187
<b>API Well Number:</b> 177124061200	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4560 - 12860	<b>Water Depth:</b> 264
<b>Public Info Code:</b> Y 17-AUG-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4560 / 4559	DEF AT first sample examined	DEF AT
4561 / 4560	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5250 / 5249	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5820 / 5813	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7290 / 7153	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
8070 / 7857	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11070 /10522	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11190 /10630	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11310 /10740	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11430 /10851	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11760 /11157	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12090 /11467	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12600 /11951	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12846 /12186	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 296  
Lease Number: G15303  
Well Name: A002  
API Well Number: 177124061400  
Paleo Report Num: 1 of 2  
Public Info Code: Y 17-SEP-2010

Date of Summary: 28-AUG-2000  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: MCMORAN OIL & GAS LLC  
Sample Range: 4410 - 10345  
Ecozone Eq MMS: Y

First Sample Examined: 4410  
Borehole MD: 10345  
Borehole TVD: 10011  
Rkb Elevation: 96  
Water Depth: 264  
Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4410 / 4410	DEF AT first sample examined	DEF AT 3
4411 / 4411	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
8280 / 8148	DEF AT - - - - -	DEF AT 4
8310 / 8176	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
8340 / 8203	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
8610 / 8451	DEF AT - - - - -	DEF AT 3
10345 / 10011	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 296	<b>Date of Summary:</b> 28-AUG-2000	<b>First Sample Examined:</b> 4410
<b>Lease Number:</b> G15303	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10345
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10011
<b>API Well Number:</b> 177124061400	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4410 - 10345	<b>Water Depth:</b> 264
<b>Public Info Code:</b> Y 17-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4410 / 4410	DEF AT first sample examined	DEF AT
4411 / 4411	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5190 / 5190	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5250 / 5250	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5820 / 5819	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7110 / 7075	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8280 / 8148	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10345 /10011	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 299	Date of Summary: 21-SEP-1990	First Sample Examined: 4200
Lease Number: G07759	Source of Paleo: OPERATOR	Borehole MD: 6847
Well Name: 009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 5563
API Well Number: 177124043600	Drilling Operator: ADOBE OIL & GAS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4200 - 6840	Water Depth: 261
Public Info Code: Y 16-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 3563	DEF AT first sample examined	DEF IN 3
4560 / 3833	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
5490 / 4515	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5520 / 4538	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
5580 / 4583	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
5700 / 4673	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
6060 / 4949	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
6360 / 5181	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
6749 / 5487	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
6750 / 5487	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
6810 / 5534	DEF AT local marker foram decrease	DEF AT 4
6840 / 5557	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 299	Date of Summary: 26-SEP-1995	First Sample Examined: 0
Lease Number: G07759	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10055
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 7200
API Well Number: 177124054300	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 261
Public Info Code: Y 12-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3024 / 2721	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9628 / 6931	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 300	Date of Summary: 16-SEP-2002	First Sample Examined: 1700
Lease Number: G07760	Source of Paleo: OPERATOR	Borehole MD: 5284
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 5280
API Well Number: 177124062900	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 1700 - 5270	Water Depth: 257
Public Info Code: Y 11-OCT-2012	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1700 / 1700	DEF AT first sample examined	DEF AT 5
1701 / 1701	DEF AT out-of-place section	DEF AT 5
2030 / 2030	DEF AT - - - - -	DEF AT 4
2450 / 2450	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
3980 / 3980	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
4010 / 4010	DEF AT - - - - -	DEF AT 5
4220 / 4220	DEF AT - - - - -	DEF AT 4
4399 / 4399	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
4400 / 4400	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
4850 / 4849	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
4910 / 4909	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
5150 / 5148	DEF AT local marker planktic foram increase	DEF AT 4
5240 / 5237	DEF AT pyrite	DEF AT 4
5270 / 5266	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 300	Date of Summary: 06-FEB-1991	First Sample Examined: 4050
Lease Number: G07760	Source of Paleo: OPERATOR	Borehole MD: 6650
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6647
API Well Number: 177124044100	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4050 - 6650	Water Depth: 250
Public Info Code: Y 04-MAR-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4050 / 4049	DEF AT first sample examined	DEF AT 4
4051 / 4050	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
5210 / 5209	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5300 / 5299	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
5900 / 5899	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
5990 / 5989	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
6650 / 6648	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 301	Date of Summary: 15-NOV-1990	First Sample Examined: 5060
Lease Number: G10794	Source of Paleo: OPERATOR	Borehole MD: 9534
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8673
API Well Number: 177124043800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5060 - 9530	Water Depth: 261
Public Info Code: Y 07-DEC-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5060 / 4933	DEF AT first sample examined	DEF IN 3
5600 / 5367	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
6890 / 6418	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
7340 / 6791	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
9530 / 8655	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 301	Date of Summary: 15-NOV-1990	First Sample Examined: 5060
Lease Number: G10794	Source of Paleo: OPERATOR	Borehole MD: 9534
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8673
API Well Number: 177124043800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5060 - 9530	Water Depth: 261
Public Info Code: Y 07-DEC-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5060 / 4933	DEF AT first sample examined	DEF AT
5061 / 4934	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5989 / 5681	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
5990 / 5682	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8390 / 7683	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9500 / 8629	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9530 / 8655	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 301	Date of Summary: 10-JUN-1998	First Sample Examined: 0
Lease Number: G10794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11417
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10197
API Well Number: 177124058400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 261
Public Info Code: Y 24-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10740 / 9550	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 301  
Lease Number: G10794  
Well Name: A004  
API Well Number: 177124063100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 03-JUL-2013

Date of Summary: 26-JUN-2003  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: GRYPHON EXPLORATION COMPANY  
Sample Range: 5820 - 8373  
Ecozone Eq MMS: Y

First Sample Examined: 5820  
Borehole MD: 8373  
Borehole TVD: 5532  
Rkb Elevation: 142  
Water Depth: 262  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5820 / 4056	DEF AT first sample examined	DEF AT 3
6060 / 4195	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6240 / 4300	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6600 / 4513	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "A")	DEF AT 3
7050 / 4768	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
7170 / 4837	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
7710 / 5145	DEF AT cement	DEF AT 3
8373 / 5532	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 313	Date of Summary: 24-FEB-2000	First Sample Examined: 0
Lease Number: G15305	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9952
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9494
API Well Number: 177124060400	Drilling Operator: JX NIPPON OIL EXPLORATION USA LIMITED	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 292
Public Info Code: Y 25-FEB-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 4200	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4980 / 4980	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6200 / 6200	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8136 / 8126	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
9225 / 9051	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9811 / 9411	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 313	<b>Date of Summary:</b> 17-APR-2000	<b>First Sample Examined:</b> 5220
<b>Lease Number:</b> G15305	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7940
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 5607
<b>API Well Number:</b> 177124060700	<b>Drilling Operator:</b> JX NIPPON OIL EXPLORATION USA LIMITED	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5220 - 7940	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 25-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5220 / 3807	DEF AT first sample examined	DEF IN 2
5520 / 3961	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 2
6120 / 4279	DEF AT transported inner shelf facies	DEF AT 3
6150 / 4296	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
7560 / 5344	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS AT 3
7679 / 5446	DEF AT transported inner shelf facies	DEF AT 3
7680 / 5447	DEF AT local marker foram increase	DEF AT 3
7940 / 5678	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 313	<b>Date of Summary:</b> 17-APR-2000	<b>First Sample Examined:</b> 5770
<b>Lease Number:</b> G15305	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9515
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 7220
<b>API Well Number:</b> 177124060701	<b>Drilling Operator:</b> JX NIPPON OIL EXPLORATION USA LIMITED	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5770 - 9515	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 25-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5770 / 4086	DEF AT first sample examined	POS AT 3
6069 / 4254	DEF AT transported inner shelf facies	POS AT 3
6070 / 4255	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	POS AT 3
7270 / 5104	DEF AT local marker foram increase	DEF IN 3
7690 / 5450	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 3
8230 / 5948	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
8620 / 6330	DEF AT local marker foram increase	DEF IN 3
9280 / 6989	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 4
9515 / 7224	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 315	Date of Summary: 05-OCT-1992	First Sample Examined: 5010
Lease Number: G09631	Source of Paleo: OPERATOR	Borehole MD: 10739
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10737
API Well Number: 177124046900	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 5010 - 10740	Water Depth: 285
Public Info Code: Y 27-OCT-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5010 / 5010	DEF AT first sample examined	DEF AT 3
5011 / 5011	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5430 / 5430	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
5700 / 5700	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
6240 / 6240	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
6480 / 6480	DEF AT faunal change (no faunal increase)	DEF AT 3
7020 / 7020	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7500 / 7500	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
7620 / 7620	DEF AT local marker deep water fauna	DEF AT 4
8520 / 8519	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9240 / 9239	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9420 / 9419	DEF AT pyrite	DEF AT 4
10680 / 10678	DEF AT local marker deep water fauna	DEF AT 5
10740 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 317	Date of Summary: 01-JUL-2008	First Sample Examined: 6000
Lease Number: G24950	Source of Paleo: OPERATOR	Borehole MD: 10787
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10785
API Well Number: 177124066900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 6000 - 10787	Water Depth: 300
Public Info Code: Y 01-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5999	DEF AT first sample examined	DEF AT 4
6359 / 6358	POS AT maximum flooding surface	DEF AT 4
6360 / 6359	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
6450 / 6449	DEF AT - - - - -	DEF AT 3
7800 / 7799	DEF AT - - - - -	DEF AT 4
7860 / 7859	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
8580 / 8579	POS AT maximum flooding surface	DEF AT 5
8820 / 8819	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9150 / 9149	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9780 / 9779	POS AT maximum flooding surface	DEF AT 5
9810 / 9809	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9960 / 9958	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
10378 /10376	POS AT maximum flooding surface	DEF AT 5
10379 /10377	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
10380 /10378	POS AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
10678 /10676	POS AT maximum flooding surface	DEF AT 5
10679 /10677	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10680 /10678	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10710 /10708	POS AT unconformity	DEF AT 5
10738 /10736	POS AT maximum flooding surface	DEF AT 5
10739 /10737	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10740 /10738	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 317	<b>Date of Summary:</b> 01-JUL-2008	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G24950	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10787
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10785
<b>API Well Number:</b> 177124066900	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 121
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6000 - 10787	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 01-DEC-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10770 /10768	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10787 /10785	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 331	Date of Summary: 25-OCT-2000	First Sample Examined: 0
Lease Number: G16401	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13750
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 10737
API Well Number: 177124058000	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 61
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 374
Public Info Code: Y 02-APR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5920 / 5006	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8620 / 6956	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 339	Date of Summary: 19-JAN-2001	First Sample Examined: 0
Lease Number: G18029	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8169
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7950
API Well Number: 177124061700	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 360
Public Info Code: Y 30-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7220 / 7002	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7970 / 7751	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 07-SEP-1993	First Sample Examined: 1500
Lease Number: G12008	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16422
API Well Number: 177124048000	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 1500 - 16500	Water Depth: 370
Public Info Code: Y 04-OCT-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT first sample examined	DEF AT 3
1560 / 1560	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
2550 / 2549	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 3
2610 / 2609	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
3840 / 3839	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5560 / 5559	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5710 / 5709	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
5800 / 5799	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5860 / 5859	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
6970 / 6969	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
7389 / 7387	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
7390 / 7388	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7419 / 7417	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
7420 / 7418	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7689 / 7687	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
7690 / 7688	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
7750 / 7748	DEF AT salt	POS IN 5
9279 / 9277	POS IN Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 5
9280 / 9278	DEF AT gouge	DEF IN 5
11500 / 11496	POS IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11529 / 11525	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11530 / 11526	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 349	<b>Date of Summary:</b> 07-SEP-1993	<b>First Sample Examined:</b> 1500
<b>Lease Number:</b> G12008	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16500
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16422
<b>API Well Number:</b> 177124048000	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 1500 - 16500	<b>Water Depth:</b> 370
<b>Public Info Code:</b> Y 04-OCT-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11560 /11556	DEF AT local marker deep water fauna	DEF AT 6
12520 /12515	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
12550 /12545	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13630 /13624	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15729 /15717	DEF AT Eggerella 3 (local marker)	DEF IN 5
15730 /15718	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
16500 /16422	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 16-DEC-1993	First Sample Examined: 1500
Lease Number: G12008	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16422
API Well Number: 177124048000	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 1500 - 16500	Water Depth: 370
Public Info Code: Y 04-OCT-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1500 / 1500	DEF AT first sample examined	DEF AT
2580 / 2579	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5560 / 5559	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5710 / 5709	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5800 / 5799	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7000 / 6999	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7390 / 7388	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7510 / 7508	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7540 / 7538	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7600 / 7598	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
7720 / 7718	DEF AT out-of-place section	DEF AT
11860 / 11856	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12520 / 12515	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13690 / 13684	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15370 / 15362	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15970 / 15948	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16500 / 16422	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 27-JUN-1994	First Sample Examined: 1480
Lease Number: G12008	Source of Paleo: OPERATOR	Borehole MD: 19101
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18572
API Well Number: 177124049600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 1480 - 19090	Water Depth: 375
Public Info Code: Y 20-JUL-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1480 / 1480	DEF AT first sample examined	DEF AT 3
1720 / 1720	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
3730 / 3730	DEF AT local marker deep water fauna	DEF AT 4
4720 / 4720	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
5470 / 5470	DEF AT local marker planktic foram increase	DEF AT 5
5500 / 5500	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5709 / 5709	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
5710 / 5710	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7030 / 7002	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7060 / 7031	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
7600 / 7555	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7630 / 7584	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7850 / 7798	DEF AT anhydrite	DEF IN 5
7851 / 7799	DEF AT salt	DEF IN 5
8360 / 8295	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
11570 /11363	DEF IN base of salt	DEF IN 5
11660 /11450	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11750 /11537	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11780 /11566	DEF AT - - - - -	DEF AT 6
12010 /11789	DEF AT sample gap top	POS AT 6
12130 /11906	DEF AT sample gap bottom	DEF AT 6
12160 /11935	DEF AT sample gap top	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 349	<b>Date of Summary:</b> 27-JUN-1994	<b>First Sample Examined:</b> 1480
<b>Lease Number:</b> G12008	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19101
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18572
<b>API Well Number:</b> 177124049600	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 1480 - 19090	<b>Water Depth:</b> 375
<b>Public Info Code:</b> Y 20-JUL-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12220 /11993	DEF AT sample gap bottom	DEF AT 6
13570 /13280	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14410 /14101	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
17740 /17375	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
19030 /18515	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
19090 /18563	DEF AT last sample examined	DEF AT 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 27-JUN-1994	First Sample Examined: 1480
Lease Number: G12008	Source of Paleo: OPERATOR	Borehole MD: 19101
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18572
API Well Number: 177124049600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 1480 - 19090	Water Depth: 375
Public Info Code: Y 20-JUL-2004	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1480 / 1480	DEF AT first sample examined	DEF AT
2050 / 2050	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2590 / 2590	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5500 / 5500	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5739 / 5739	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5740 / 5740	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7000 / 6973	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7627 / 7581	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7628 / 7582	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7629 / 7583	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7630 / 7584	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7710 / 7662	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7740 / 7691	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7850 / 7798	DEF AT salt	DEF AT
9860 / 9752	DEF AT out-of-place section	DEF AT
11570 /11363	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11750 /11537	POS IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12010 /11789	DEF AT sample gap top	DEF AT
12130 /11906	DEF AT sample gap bottom	DEF AT
12131 /11906	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13510 /13222	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14141 /13837	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 349	<b>Date of Summary:</b> 27-JUN-1994	<b>First Sample Examined:</b> 1480
<b>Lease Number:</b> G12008	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19101
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18572
<b>API Well Number:</b> 177124049600	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 1480 - 19090	<b>Water Depth:</b> 375
<b>Public Info Code:</b> Y 20-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16060 /15723	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17650 /17289	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18190 /17793	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
18370 /17954	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18400 /17981	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18760 /18291	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19060 /18539	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
19090 /18563	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 22-SEP-1994	First Sample Examined: 1510
Lease Number: G12008	Source of Paleo: OPERATOR	Borehole MD: 7921
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7770
API Well Number: 177124052300	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 77
Paleo Report Num: 1 of 2	Sample Range: 1510 - 4935	Water Depth: 375
Public Info Code: Y 01-OCT-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
1510 / 1510	DEF AT first sample examined	DEF AT 3
2590 / 2590	DEF AT faunal change (no faunal increase)	DEF AT 4
2770 / 2770	DEF AT faunal change (no faunal increase)	DEF AT 3
3820 / 3820	DEF AT faunal change (no faunal increase)	DEF AT 4
4000 / 4000	DEF AT faunal change (no faunal increase)	DEF AT 3
4660 / 4660	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4900 / 4900	DEF AT faunal change (no faunal increase)	DEF AT 4
4935 / 4935	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 22-SEP-1994	First Sample Examined: 1510
Lease Number: G12008	Source of Paleo: OPERATOR	Borehole MD: 7921
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7770
API Well Number: 177124052300	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 77
Paleo Report Num: 2 of 2	Sample Range: 1510 - 4935	Water Depth: 375
Public Info Code: Y 01-OCT-2004	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1510 / 1510	DEF AT first sample examined	DEF AT
2590 / 2590	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4935 / 4935	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 17-APR-1995	First Sample Examined: 1450
Lease Number: G12010	Source of Paleo: OPERATOR	Borehole MD: 19665
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18308
API Well Number: 177124052600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 77
Paleo Report Num: 1 of 3	Sample Range: 1450 - 17380	Water Depth: 375
Public Info Code: Y 12-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1450 / 1450	DEF AT first sample examined	DEF AT 3
1650 / 1650	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
1710 / 1710	DEF AT -----	DEF AT 3
2520 / 2520	DEF AT -----	DEF AT 4
2640 / 2640	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
2670 / 2670	DEF AT -----	DEF AT 3
3750 / 3750	DEF AT -----	DEF AT 4
4620 / 4620	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
5500 / 5499	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5710 / 5707	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7060 / 6974	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7300 / 7185	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7330 / 7211	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7540 / 7395	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7810 / 7631	DEF AT salt	DEF AT 5
12250 /11582	DEF AT base of salt	DEF AT 6
12400 /11711	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13330 /12518	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14260 /13314	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
17380 /16112	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 349	<b>Date of Summary:</b> 17-APR-1995	<b>First Sample Examined:</b> 14500
<b>Lease Number:</b> G12010	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19665
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18308
<b>API Well Number:</b> 177124052600	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 77
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 14500 - 19665	<b>Water Depth:</b> 375
<b>Public Info Code:</b> Y 12-MAY-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Sidetrack 2 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14500 /13517	DEF AT first sample examined	DEF AT 6
19665 /18308	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 17-APR-1995	First Sample Examined: 14500
Lease Number: G12010	Source of Paleo: OPERATOR	Borehole MD: 19665
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18308
API Well Number: 177124052600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 77
Paleo Report Num: 3 of 3	Sample Range: 14500 - 19665	Water Depth: 375
Public Info Code: Y 12-MAY-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report for sidetrack 2

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14500 /13517	DEF AT first sample examined	DEF AT
14560 /13569	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16390 /15194	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17320 /16055	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18610 /17291	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
18760 /17435	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
19300 /17956	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19665 /18308	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 29-MAY-2001	First Sample Examined: 11330
Lease Number: G12010	Source of Paleo: OPERATOR	Borehole MD: 18678
Well Name: A011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18243
API Well Number: 177124061900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 155
Paleo Report Num: 1 of 2	Sample Range: 11330 - 18678	Water Depth: 375
Public Info Code: Y 20-MAY-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11330 /10917	DEF AT first sample examined	DEF AT
11331 /10918	DEF IN salt	DEF AT
11950 /11533	DEF AT base of salt	DEF AT
11980 /11563	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12040 /11623	DEF AT out-of-place section	DEF AT
12400 /11981	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12990 /12569	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
13080 /12659	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13740 /13317	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15640 /15209	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15850 /15419	DEF AT local marker floral increase	DEF AT
16600 /16169	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16630 /16199	DEF AT local marker floral increase	DEF AT
16960 /16529	DEF AT local marker floral increase	DEF AT
17020 /16589	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17170 /16739	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17320 /16889	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17460 /17029	DEF AT sample gap top	DEF AT
17520 /17089	DEF AT sample gap bottom	DEF AT
17760 /17328	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17840 /17408	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
18560 /18125	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 349	<b>Date of Summary:</b> 29-MAY-2001	<b>First Sample Examined:</b> 11330
<b>Lease Number:</b> G12010	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18678
<b>Well Name:</b> A011	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18243
<b>API Well Number:</b> 177124061900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 155
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11330 - 18678	<b>Water Depth:</b> 375
<b>Public Info Code:</b> Y 20-MAY-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18590 /18155	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18678 /18243	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 349	Date of Summary: 30-MAY-2001	First Sample Examined: 11330
Lease Number: G12010	Source of Paleo: OPERATOR	Borehole MD: 18678
Well Name: A011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18243
API Well Number: 177124061900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 155
Paleo Report Num: 2 of 2	Sample Range: 11330 - 18678	Water Depth: 375
Public Info Code: Y 20-MAY-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11330 /10917	DEF AT first sample examined	DEF AT 5
11331 /10918	DEF IN salt	DEF AT 5
11950 /11533	DEF AT base of salt	DEF AT 6
11979 /11562	POS AT out-of-place section	DEF AT 6
13530 /13108	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14070 /13645	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14370 /13943	DEF AT Eggerella 3 (local marker)	DEF AT 6
16030 /15599	DEF AT -----	DEF AT 5
17110 /16679	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
17730 /17298	POS AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
17840 /17408	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
17870 /17438	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
18678 /18243	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 349	<b>Date of Summary:</b> 29-MAY-2001	<b>First Sample Examined:</b> 17728
<b>Lease Number:</b> G12010	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18813
<b>Well Name:</b> A011	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18380
<b>API Well Number:</b> 177124061901	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 155
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17728 - 18814	<b>Water Depth:</b> 375
<b>Public Info Code:</b> Y 19-JUN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17728 /17296	DEF AT first sample examined	DEF AT
17750 /17318	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17836 /17404	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
18560 /18127	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18814 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 349	<b>Date of Summary:</b> 30-MAY-2001	<b>First Sample Examined:</b> 17728
<b>Lease Number:</b> G12010	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18813
<b>Well Name:</b> A011	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18380
<b>API Well Number:</b> 177124061901	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 155
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17728 - 18814	<b>Water Depth:</b> 375
<b>Public Info Code:</b> Y 19-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17728 /17296	DEF AT first sample examined	DEF AT 5
17840 /17408	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
17870 /17438	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
18814 /	DEF AT last sample examined	DEF AT 6



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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> SS 361	<b>Date of Summary:</b> 19-FEB-1996	<b>First Sample Examined:</b> 1560
<b>Lease Number:</b> G14514	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16163
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16155
<b>API Well Number:</b> 177124054900	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 1560 - 16130	<b>Water Depth:</b> 405
<b>Public Info Code:</b> Y 27-OCT-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark: Agate Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1560 / 1560	DEF AT first sample examined	DEF AT 3
2190 / 2190	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4080 / 4080	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 4
4260 / 4260	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4530 / 4530	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4560 / 4560	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
4710 / 4710	DEF AT local marker deep water fauna	DEF AT 5
4980 / 4980	DEF AT faunal change (no faunal increase)	DEF AT 4
6090 / 6090	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
6210 / 6210	DEF AT local marker planktic foram increase	DEF AT 4
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6780 / 6780	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7740 / 7739	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7860 / 7859	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9510 / 9509	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9570 / 9569	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9810 / 9809	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 5
9899 / 9898	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9900 / 9899	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
10020 /10019	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10110 /10109	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12300 /12299	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> SS 361	<b>Date of Summary:</b> 19-FEB-1996	<b>First Sample Examined:</b> 1560
<b>Lease Number:</b> G14514	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16163
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16155
<b>API Well Number:</b> 177124054900	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 1560 - 16130	<b>Water Depth:</b> 405
<b>Public Info Code:</b> Y 27-OCT-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12330 /12329	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 6
12510 /12509	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 6
14010 /14008	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 6
14550 /14547	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
16130 /16121	DEF AT last sample examined	DEF IN 6

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 361	Date of Summary: 19-FEB-1996	First Sample Examined: 1560
Lease Number: G14514	Source of Paleo: OPERATOR	Borehole MD: 16163
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16155
API Well Number: 177124054900	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 1560 - 16163	Water Depth: 405
Public Info Code: Y 27-OCT-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Agate Prospect, calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1560 / 1560	DEF AT first sample examined	DEF AT
2280 / 2280	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4230 / 4230	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4590 / 4590	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6210 / 6210	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6390 / 6390	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7740 / 7739	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9420 / 9419	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9540 / 9539	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9630 / 9629	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9810 / 9809	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10170 /10169	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12390 /12389	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12660 /12659	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14010 /14008	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14430 /14427	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15990 /15982	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16163 /16154	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 361	Date of Summary: 06-JAN-2000	First Sample Examined: 8000
Lease Number: G14514	Source of Paleo: OPERATOR	Borehole MD: 16793
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16090
API Well Number: 177124060300	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 8000 - 16790	Water Depth: 405
Public Info Code: Y 27-OCT-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Agate Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7949	DEF AT first sample examined	DEF AT 5
8001 / 7950	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9320 / 9219	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9380 / 9276	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9409 / 9303	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
9410 / 9304	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9500 / 9388	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
9559 / 9444	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9560 / 9444	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9770 / 9641	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9950 / 9810	DEF AT local marker foram decrease	DEF AT 5
10760 /10567	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11299 /11070	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
11300 /11071	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 6
11360 /11127	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11570 /11323	DEF AT local marker planktic foram increase	DEF AT 6
11600 /11351	DEF AT local marker foram decrease	DEF AT 5
12020 /11742	DEF AT local marker deep water fauna	DEF AT 6
12980 /12633	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
13520 /13123	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13820 /13393	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
16790 /16088	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 361	Date of Summary: 06-JAN-2000	First Sample Examined: 8000
Lease Number: G14514	Source of Paleo: OPERATOR	Borehole MD: 16793
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16090
API Well Number: 177124060300	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 8000 - 16790	Water Depth: 405
Public Info Code: Y 27-OCT-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Agate Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7949	DEF AT first sample examined	DEF AT
9380 / 9276	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9410 / 9304	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9440 / 9332	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9530 / 9416	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9980 / 9838	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10280 /10118	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10730 /10539	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11270 /11043	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12140 /11854	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13460 /13069	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13820 /13393	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15410 /14865	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
16790 /16088	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: SS 365	Date of Summary: 17-NOV-1997	First Sample Examined: 0
Lease Number: G16404	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13993
API Well Number: 177124057400	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 455
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2440 / 2440	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5320 / 5320	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7690 / 7688	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10540 / 10536	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 11	Date of Summary: 26-JUL-2001	First Sample Examined: 0
Lease Number: G13925	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12415
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12065
API Well Number: 177154094900	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 30
Public Info Code: Y 05-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8800 / 8799	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 11	<b>Date of Summary:</b> 07-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13925	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14449
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14443
<b>API Well Number:</b> 177154100601	<b>Drilling Operator:</b> BOIS D'ARC OPERATING CORPORATION	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 30
<b>Public Info Code:</b> Y 23-JUL-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14040 /14035	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 21	Date of Summary: 24-JUL-2003	First Sample Examined: 9860
Lease Number: 00263	Source of Paleo: OPERATOR	Borehole MD: 10110
Well Name: 022	Paleo Done By: OPERATOR	Borehole TVD: 9871
API Well Number: 177150017702	Drilling Operator: J M HUBER CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 9860 - 10100	Water Depth: 50
Public Info Code: Y 18-AUG-2013	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Paleo done by Ted S Donaho, Precision Biostratigraphic Services for Eaton Industries, 9950 to 10060 contain stacked diagenetically altered hiatal surfaces (calcareous shale to very hard dolomitic claystone), often reworked surfaces

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9860 / 9624	DEF AT first sample examined	DEF AT
9861 / 9625	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9950 / 9713	DEF AT unconformity	DEF AT
10010 / 9772	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
10040 / 9802	DEF AT local marker planktic foram increase	DEF AT
10070 / 9832	DEF AT sequence boundary	DEF AT
10100 / 9861	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 21	Date of Summary: 25-NOV-2001	First Sample Examined: 0
Lease Number: 00263	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12160
Well Name: 048	Paleo Done By: OPERATOR	Borehole TVD: 11628
API Well Number: 177150028901	Drilling Operator: ENERGY DEVELOPMENT CORPORATION	Rkb Elevation: 70
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 30-SEP-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9380 / 9377	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 10500
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 12571
Well Name: D033	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12081
API Well Number: 177154102800	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 10500 - 12570	Water Depth: 55
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Pimento Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10013	DEF AT first sample examined	DEF AT
10560 /10073	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF IN 1
10590 /10103	DEF AT -----	DEF AT 2
10650 /10163	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
10770 /10283	DEF AT -----	DEF IN 1
10860 /10372	POS AT local marker (general)	DEF IN 2
10920 /10432	DEF AT -----	DEF IN 1
11010 /10522	DEF AT -----	DEF AT 0
11040 /10552	DEF AT -----	DEF IN 1
11160 /10672	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11310 /10822	DEF AT -----	DEF IN 1
11460 /10972	POS AT local marker (general)	DEF AT 2
11640 /11152	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
11790 /11301	DEF AT -----	DEF IN 2
11820 /11331	POS AT local marker (general)	DEF IN 2
11910 /11421	DEF AT local marker foram increase	DEF IN 2
11970 /11481	DEF AT faunal change (no faunal increase)	DEF AT 3
12000 /11511	DEF AT local marker (general)	DEF AT 3
12030 /11541	DEF AT foram flood	DEF AT 3
12150 /11661	DEF AT -----	DEF IN 2
12210 /11721	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12270 /11781	DEF AT -----	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 26  
 Lease Number: G01870  
 Well Name: D033  
 API Well Number: 177154102800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 14-NOV-2010

Date of Summary: 01-NOV-2000  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: EPL OIL & GAS INC  
 Sample Range: 10500 - 12570  
 Ecozone Eq MMS: Y

First Sample Examined: 10500  
 Borehole MD: 12571  
 Borehole TVD: 12081  
 Rkb Elevation: 99  
 Water Depth: 55  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12300 /11811	DEF AT -----	DEF AT 2
12360 /11871	DEF AT -----	DEF IN 2
12450 /11961	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 2
12480 /11990	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 2
12540 /12050	DEF AT local marker foram increase	DEF IN 2
12570 /12080	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 10500
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: F027	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11521
API Well Number: 177154102700	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 10500 - 11880	Water Depth: 59
Public Info Code: Y 14-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Pimento Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10223	DEF AT first sample examined	DEF AT 2
10530 /10253	DEF AT -----	DEF IN 2
10710 /10432	DEF AT -----	DEF AT 2
10890 /10612	DEF AT local marker (general)	DEF AT 2
10920 /10642	DEF AT shell fragments	DEF IN 1
11190 /10911	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 1
11280 /11001	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11400 /11121	DEF AT local marker foram increase	DEF AT 2
11610 /11331	DEF AT Eggerella sp. (local marker)	DEF AT 2
11640 /11361	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 2
11760 /11481	DEF AT -----	DEF AT 2
11820 /	DEF AT Cyclammina sp. (local marker)	DEF IN 2
11850 /	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 11190
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 13730
Well Name: F027	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13144
API Well Number: 177154102704	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 11190 - 13740	Water Depth: 59
Public Info Code: Y 23-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Pimento Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11190 /10604	DEF AT first sample examined	POS AT 1
11250 /10664	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
11280 /10694	DEF AT faunal change (no faunal increase)	DEF IN 1
11370 /10784	DEF AT local marker (general)	DEF AT 2
11490 /10904	POS AT local marker (general)	DEF IN 1
11640 /11054	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11700 /11114	DEF AT faunal change (no faunal increase)	DEF IN 1
11730 /11144	DEF AT Arenaceous fauna (local marker)	DEF AT 2
11940 /11354	DEF AT faunal change (no faunal increase)	DEF IN 1
12360 /11774	DEF AT faunal change (no faunal increase)	DEF AT 2
12390 /11804	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
12480 /11894	DEF AT faunal change (no faunal increase)	DEF IN 2
12600 /12014	DEF AT faunal change (no faunal increase)	DEF AT 2
12660 /12074	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12780 /12194	DEF AT local marker foram increase	DEF AT 3
12840 /12254	DEF AT faunal change (no faunal increase)	DEF IN 2
12990 /12403	DEF AT local marker foram increase	DEF IN 2
13320 /12733	DEF AT turbid water facies	POS IN 2
13380 /12793	DEF AT transported inner shelf facies	POS AT 1
13470 /12883	DEF AT faunal change (no faunal increase)	DEF AT 2
13500 /12913	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 2
13650 /13062	DEF AT turbid water facies	POS AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 11190
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 13730
Well Name: F027	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13144
API Well Number: 177154102704	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 11190 - 13740	Water Depth: 59
Public Info Code: Y 23-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13740 /	DEF AT last sample examined	POS AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 26  
Lease Number: G01870  
Well Name: F028  
API Well Number: 177154104301  
Paleo Report Num: 1 of 1  
Public Info Code: Y 03-APR-2011

Date of Summary: 12-MAR-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: EPL OIL & GAS INC  
Sample Range: 9900 - 12330  
Ecozone Eq MMS: Y

First Sample Examined: 9900  
Borehole MD: 12330  
Borehole TVD: 11871  
Rkb Elevation: 101  
Water Depth: 50  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9443	DEF AT first sample examined	DEF AT 1
10170 / 9711	DEF AT turbid water facies	DEF AT 1
10200 / 9741	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
10590 /10131	DEF AT -----	DEF IN 1
11010 /10551	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11100 /10641	DEF AT cement	POS AT 2
11280 /10820	DEF AT -----	DEF AT 2
11310 /10850	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
11610 /11150	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 1
11880 /11420	DEF AT -----	DEF IN 1
11940 /11480	DEF AT local marker (general)	DEF AT 1
11970 /11510	DEF AT -----	DEF AT 2
12030 /11570	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF IN 2
12180 /11720	DEF AT -----	DEF IN 1
12240 /11780	DEF AT local marker benthic foram increase	DEF AT 2
12270 /11810	DEF AT -----	DEF IN 2
12330 /11870	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 31	Date of Summary: 10-FEB-2000	First Sample Examined: 0
Lease Number: G18033	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11575
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11103
API Well Number: 177154099500	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 31-MAY-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10430 /10348	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 33	Date of Summary: 08-JAN-2001	First Sample Examined: 0
Lease Number: G18034	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12755
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12006
API Well Number: 177154103401	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 44
Public Info Code: Y 31-MAY-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10700 /10220	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 35  
 Lease Number: G03336  
 Well Name: D006  
 API Well Number: 177154020002  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 27-MAR-2009

Date of Summary: 20-NOV-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14393  
 Borehole TVD: 13662  
 Rkb Elevation: 94  
 Water Depth: 50  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11100 /10804	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12500 /12007	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
13300 /12699	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 38  
 Lease Number: G09637  
 Well Name: 002  
 API Well Number: 177154080700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 18-JAN-2003

Date of Summary: 16-FEB-1993  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: TOTAL E&P USA INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14085  
 Borehole TVD: 12864  
 Rkb Elevation: 102  
 Water Depth: 59  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5040 / 5040	DEF AT - - - - -	DEF AT 2
9510 / 9278	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
10740 /10247	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 2
10860 /10342	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
12390 /11532	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
13110 /12084	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 38	Date of Summary: 11-DEC-1989	First Sample Examined: 10036
Lease Number: G09637	Source of Paleo: OPERATOR	Borehole MD: 11750
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11314
API Well Number: 177154073102	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 10036 - 11750	Water Depth: 56
Public Info Code: Y 08-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10036 / 9972	DEF AT first sample examined	DEF AT 4
10970 /10685	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
11750 /11314	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 38  
 Lease Number: G09637  
 Well Name: A003  
 API Well Number: 177154084900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 28-FEB-2005

Date of Summary: 17-MAR-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MILLENNIUM OFFSHORE GROUP INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12980  
 Borehole TVD: 11548  
 Rkb Elevation: 90  
 Water Depth: 60  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9310 / 9054	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
10300 / 9737	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11380 / 10492	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 11-OCT-2005	First Sample Examined: 13800
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 17733
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16894
API Well Number: 177154118600	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 13800 - 17700	Water Depth: 72
Public Info Code: Y 01-NOV-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13800 /13799	DEF AT first sample examined	DEF AT 2
13881 /13880	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
14220 /14216	DEF AT faunal change (no faunal increase)	DEF AT 3
14370 /14363	DEF AT -----	DEF IN 1
14490 /14479	DEF AT -----	DEF AT 2
15840 /15678	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
16830 /16332	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
17580 /16797	DEF AT local marker benthic foram increase	DEF AT 3
17700 /16873	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 41	<b>Date of Summary:</b> 17-AUG-2004	<b>First Sample Examined:</b> 15000
<b>Lease Number:</b> G24954	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15972
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15703
<b>API Well Number:</b> 177154116000	<b>Drilling Operator:</b> EPL OIL & GAS INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15000 - 15960	<b>Water Depth:</b> 70
<b>Public Info Code:</b> Y 13-SEP-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14973	DEF AT first sample examined	POS AT 2
15030 /15000	DEF AT -----	DEF AT 2
15059 /15026	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
15060 /15027	DEF AT pyrite	DEF AT 2
15240 /15183	DEF AT -----	DEF IN 1
15300 /15233	DEF AT -----	POS IN 1
15450 /15354	DEF AT -----	DEF AT 2
15480 /15377	DEF AT -----	DEF IN 1
15630 /15487	DEF AT -----	POS IN 1
15870 /15642	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
15960 /15696	DEF AT last sample examined	DEF IN 2



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 18-AUG-2004	First Sample Examined: 15870
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 15972
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15703
API Well Number: 177154116000	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 15870 - 15960	Water Depth: 70
Public Info Code: Y 13-SEP-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15870 /15642	DEF AT first sample examined	DEF AT
15960 /15696	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 20-MAR-2005	First Sample Examined: 16400
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 19745
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18950
API Well Number: 177154116001	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 16400 - 19746	Water Depth: 70
Public Info Code: Y 18-APR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16400 /16176	DEF AT first sample examined	DEF AT
16610 /16345	DEF AT siltstone	DEF AT
17900 /17397	DEF AT local marker benthic foram increase	DEF AT 2
17990 /17472	POS AT Lower Pliocene (Zanclian) <i>Buccella (Eponides) hannai (acme)</i>	DEF AT 3
18080 /17547	POS AT Lower Pliocene (Zanclian) <i>Globigerina druryi / nepenthes "B"</i>	DEF AT 3
18110 /17572	DEF AT local marker foram decrease	DEF AT 3
18290 /17724	DEF AT local marker foram increase	DEF IN 3
18320 /17749	DEF AT local marker foram decrease	DEF AT
18440 /17850	DEF AT local marker foram increase	DEF AT
18530 /17926	DEF AT local marker planktic foram increase	DEF AT
18560 /17951	DEF AT local marker foram decrease	DEF AT
18800 /18153	POS AT local marker foram increase	DEF AT
19746 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 08-JUN-2004	First Sample Examined: 14770
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 16163
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16097
API Well Number: 177154114600	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 14770 - 16163	Water Depth: 70
Public Info Code: Y 08-FEB-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14770 /14707	DEF AT first sample examined	DEF AT 3
14771 /14708	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
15010 /14946	DEF AT -----	DEF IN 2
15250 /15186	DEF AT -----	DEF AT 2
15280 /15216	DEF AT -----	DEF IN 2
15460 /15396	POS AT -----	DEF IN 3
15580 /15516	DEF AT -----	DEF AT 2
15700 /15636	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
15730 /15666	DEF AT cement	DEF AT 2
16163 /16096	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 01-OCT-2004	First Sample Examined: 15100
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 18014
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17300
API Well Number: 177154116200	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 15100 - 18010	Water Depth: 68
Public Info Code: Y 07-NOV-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15100 /15012	DEF AT first sample examined	POS IN 1
15130 /15040	DEF AT -----	DEF IN 1
15310 /15203	DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 2
15340 /15229	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
15370 /15255	DEF AT pyrite	DEF AT 2
15460 /15332	DEF AT -----	DEF IN 2
15640 /15482	DEF AT -----	DEF AT 2
15670 /15507	DEF AT local marker foram increase	DEF AT 3
15730 /15557	DEF AT -----	DEF AT 2
15910 /15696	DEF AT -----	DEF IN 1
15970 /15741	DEF AT local marker planktic foram increase	DEF IN 1
16000 /15763	DEF AT -----	DEF AT 3
16090 /15831	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
16120 /15853	DEF AT -----	DEF IN 2
16150 /15876	DEF AT -----	DEF AT 2
16180 /15898	DEF AT -----	DEF IN 2
16240 /15943	DEF AT -----	DEF AT 2
16390 /16054	DEF AT local marker foram increase	DEF IN 2
16420 /16076	DEF AT -----	DEF AT 2
17050 /16544	DEF AT turbid water facies	POS AT 2
17080 /16565	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
17170 /16631	DEF AT -----	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 41	<b>Date of Summary:</b> 01-OCT-2004	<b>First Sample Examined:</b> 15100
<b>Lease Number:</b> G24954	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18014
<b>Well Name:</b> A002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17300
<b>API Well Number:</b> 177154116200	<b>Drilling Operator:</b> EPL OIL & GAS INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15100 - 18010	<b>Water Depth:</b> 68
<b>Public Info Code:</b> Y 07-NOV-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17650 /17005	DEF AT -----	DEF AT 2
17890 /17200	DEF AT -----	DEF IN 2
17920 /17224	DEF AT -----	DEF IN 2
17950 /17248	DEF AT -----	DEF AT 3
18010 /17296	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41  
Lease Number: G24954  
Well Name: B001  
API Well Number: 177154115800  
Paleo Report Num: 1 of 1  
Public Info Code: Y 13-JUL-2014

Date of Summary: 21-JUN-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: EPL OIL & GAS INC  
Sample Range: 15000 - 17460  
Ecozone Eq MMS: Y

First Sample Examined: 15000  
Borehole MD: 17471  
Borehole TVD: 16672  
Rkb Elevation: 86  
Water Depth: 67  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14813	DEF AT first sample examined	DEF IN 1
15480 /15169	DEF AT -----	DEF AT 2
15540 /15213	DEF AT -----	DEF IN 1
15810 /15410	DEF AT -----	DEF AT 2
15840 /15432	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
15990 /15542	DEF AT -----	DEF IN 1
16470 /15905	DEF AT -----	DEF AT 2
16620 /16019	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
16650 /16041	DEF AT cement	POS AT 2
16860 /16191	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
16980 /16279	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
17070 /16347	DEF AT local marker foram decrease	DEF IN 2
17160 /16418	DEF AT -----	DEF AT 2
17220 /16466	DEF AT -----	DEF IN 2
17310 /16539	DEF AT local marker foram decrease	DEF AT 2
17460 /16663	DEF AT last sample examined	DEF AT 2

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 26-DEC-2004	First Sample Examined: 14900
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 17489
Well Name: C001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16693
API Well Number: 177154116900	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 14900 - 17479	Water Depth: 69
Public Info Code: Y 18-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14900 /14866	DEF AT first sample examined	DEF IN 2
14930 /14894	DEF AT -----	DEF AT 2
14960 /14921	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
15740 /15581	DEF AT turbid water facies	POS AT 2
15770 /15605	DEF AT -----	DEF AT 2
16010 /15780	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
16100 /15840	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
16190 /15897	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
16310 /15970	DEF AT -----	DEF IN 2
16460 /16060	DEF AT local marker foram decrease	DEF IN 2
16490 /16079	DEF AT -----	DEF AT 2
16760 /16246	DEF AT -----	DEF IN 2
16790 /16265	DEF AT -----	DEF AT 2
16850 /16302	DEF AT faunal change (no faunal increase)	DEF AT 2
16910 /16339	DEF AT -----	DEF IN 2
17000 /16395	DEF AT -----	DEF AT 2
17030 /16413	DEF AT local marker foram increase	DEF IN 2
17120 /16469	DEF AT -----	DEF AT 2
17180 /16507	DEF AT local marker foram increase	DEF AT 2
17300 /16580	DEF AT -----	DEF IN 2
17330 /16597	DEF AT local marker foram increase	DEF IN 2
17390 /16633	DEF AT foram flood	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 26-DEC-2004	First Sample Examined: 14900
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 17489
Well Name: C001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16693
API Well Number: 177154116900	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 14900 - 17479	Water Depth: 69
Public Info Code: Y 18-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17479 /16685	DEF AT last sample examined	DEF IN 2



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 26-DEC-2004	First Sample Examined: 17480
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 18634
Well Name: C001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17377
API Well Number: 177154116901	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 17480 - 18634	Water Depth: 83
Public Info Code: Y 08-FEB-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17480 /16663	DEF AT first sample examined	DEF AT 2
17660 /16773	DEF AT Arenaceous fauna (local marker)	DEF IN 2
17720 /16811	DEF AT -----	DEF AT 2
17840 /16886	DEF AT -----	DEF IN 1
18080 /17034	DEF AT turbid water facies	POS IN 1
18110 /17052	DEF AT -----	DEF IN 2
18230 /17126	DEF AT turbid water facies	POS IN 2
18634 /17377	DEF AT last sample examined	POS IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 41	Date of Summary: 01-JUL-2006	First Sample Examined: 14090
Lease Number: G24954	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 17730
API Well Number: 177154119000	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 14090 - 19500	Water Depth: 71
Public Info Code: Y 23-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
14090 /14089	DEF AT first sample examined	DEF AT
14150 /14149	DEF AT local marker foram increase	DEF AT
14420 /14419	DEF AT siltstone	DEF AT
14449 /14448	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
14450 /14449	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
14990 /14983	DEF AT local marker foram increase	DEF AT 2
15800 /15736	DEF AT local marker foram increase	DEF AT 2
16190 /16049	DEF AT local marker planktic foram increase	DEF AT 2
16610 /16338	DEF AT local marker foram increase	DEF AT 2
16640 /16357	DEF AT Arenaceous fauna (local marker)	DEF AT 2
16670 /16375	DEF AT local marker foram increase	DEF AT 2
16760 /16428	DEF AT - - - - -	DEF AT 3
18290 /17157	DEF AT local marker benthic foram increase	DEF AT 2
18350 /17184	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 2
19040 /17505	DEF AT local marker foram increase	DEF AT 2
19130 /17548	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
19220 /17592	DEF AT local marker foram increase	DEF IN 3
19250 /17606	DEF AT local marker foram decrease	DEF IN 3
19310 /17635	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
19400 /17680	DEF AT local marker foram decrease	DEF AT 4
19500 /17730	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 41	<b>Date of Summary:</b> 28-OCT-2005	<b>First Sample Examined:</b> 15870
<b>Lease Number:</b> G26084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20320
<b>Well Name:</b> E001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18118
<b>API Well Number:</b> 177154118601	<b>Drilling Operator:</b> EPL OIL & GAS INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15870 - 20290	<b>Water Depth:</b> 72
<b>Public Info Code:</b> Y 30-JUN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15870 /15701	DEF AT first sample examined	DEF AT 2
16020 /15813	DEF AT -----	DEF IN 2
16050 /15835	DEF AT -----	DEF AT 2
16110 /15878	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 2
16860 /16357	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
16920 /16389	DEF AT -----	DEF AT 2
18120 /16996	DEF AT -----	DEF IN 2
18150 /17012	DEF AT local marker foram increase	DEF IN 2
18240 /17058	DEF AT -----	DEF AT 2
19020 /17461	DEF AT -----	DEF IN 1
19720 /17824	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 2
19870 /17903	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
19990 /17965	DEF AT -----	DEF IN 2
20020 /17980	DEF AT -----	POS IN 2
20290 /18106	DEF AT last sample examined	POS IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 46	Date of Summary: 21-JAN-2000	First Sample Examined: 0
Lease Number: G16415	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15402
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15399
API Well Number: 177154095400	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 68
Public Info Code: Y 27-OCT-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14730 /14728	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 46	Date of Summary: 12-OCT-2004	First Sample Examined: 15000
Lease Number: G24955	Source of Paleo: OPERATOR	Borehole MD: 17715
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17715
API Well Number: 177154116500	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 15000 - 17700	Water Depth: 68
Public Info Code: Y 19-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14999	DEF AT first sample examined	POS IN 1
15060 /15059	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 1
15330 /15329	DEF AT faunal change (no faunal increase)	POS IN 1
15420 /15419	DEF AT faunal change (no faunal increase)	DEF IN 1
15480 /15479	DEF AT faunal change (no faunal increase)	POS IN 1
15540 /15539	DEF AT turbid water facies	POS IN 1
15690 /15689	POS AT local marker planktic foram increase	DEF IN 2
15840 /15839	DEF AT turbid water facies	POS IN 2
15870 /15869	DEF AT faunal change (no faunal increase)	DEF IN 2
15960 /15959	DEF AT faunal change (no faunal increase)	DEF AT 2
16500 /16499	DEF AT local marker foram increase	DEF IN 2
16620 /16619	DEF AT faunal change (no faunal increase)	DEF AT 2
16890 /16889	DEF AT turbid water facies	POS AT 2
16980 /16979	POS AT Upper Miocene (Tortonian) Cristellaria "K"	POS AT 2
17640 /17638	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 2
17670 /17668	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 46	Date of Summary: 26-MAR-2007	First Sample Examined: 21381
Lease Number: G24955	Source of Paleo: OPERATOR	Borehole MD: 22655
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20395
API Well Number: 177154121400	Drilling Operator: EPL OIL & GAS INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 21381 - 22630	Water Depth: 71
Public Info Code: Y 19-MAR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21381 /19492	DEF AT first sample examined	DEF AT 4
22404 /20205	DEF AT local marker benthic foram increase	DEF AT 4
22630 /20376	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 51	<b>Date of Summary:</b> 01-JAN-2003	<b>First Sample Examined:</b> 8000
<b>Lease Number:</b> G01240	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15195
<b>Well Name:</b> CE032	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 14850
<b>API Well Number:</b> 177154111300	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 125
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8000 - 15050	<b>Water Depth:</b> 57
<b>Public Info Code:</b> Y 08-JAN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7994	DEF AT first sample examined	DEF AT 1
8500 / 8488	POS AT Arenaceous fauna (local marker)	DEF AT 1
9200 / 9168	DEF AT pyrite	DEF AT 1
9300 / 9264	DEF AT Cyclammina sp. (local marker)	DEF AT 3
9400 / 9361	DEF AT local marker foram decrease	DEF AT 3
9500 / 9457	DEF AT - - - - -	DEF IN 2
9660 / 9611	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
9700 / 9650	DEF AT - - - - -	DEF IN 3
9750 / 9698	DEF AT local marker foram decrease	DEF IN 3
9900 / 9843	DEF AT local marker foram decrease	DEF IN 3
10050 / 9988	DEF AT local marker benthic foram increase	DEF IN 3
10150 /10085	DEF AT limestone	DEF IN 3
10660 /10577	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10750 /10664	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
11000 /10905	DEF AT Arenaceous fauna (local marker)	DEF IN 3
11650 /11531	DEF AT Arenaceous fauna (local marker)	DEF IN 3
12150 /12008	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
12200 /12056	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
12250 /12104	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 3
12350 /12200	DEF AT local marker foram decrease	DEF AT 3
12450 /12295	DEF AT - - - - -	DEF IN 2
12500 /12343	DEF AT Arenaceous fauna (local marker)	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 51	Date of Summary: 01-JAN-2003	First Sample Examined: 8000
Lease Number: G01240	Source of Paleo: OPERATOR	Borehole MD: 15195
Well Name: CE032	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14850
API Well Number: 177154111300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 8000 - 15050	Water Depth: 57
Public Info Code: Y 08-JAN-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12700 /12535	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF IN 2
12750 /12583	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
12800 /12631	DEF AT local marker foram decrease	DEF IN 2
13200 /13014	DEF AT reworked material	DEF IN 2
13700 /13495	DEF AT Eggerella sp. (local marker)	DEF IN 2
13800 /13590	DEF AT local marker foram increase	DEF AT 4
13900 /13686	DEF AT local marker foram increase	DEF AT 4
14000 /13781	DEF AT local marker foram decrease	DEF AT 4
14050 /13827	DEF AT local marker benthic foram increase	DEF AT 4
14100 /13874	DEF AT local marker foram decrease	DEF AT 4
14150 /13920	DEF AT - - - - -	DEF AT 3
14650 /14366	DEF AT local marker foram increase	DEF IN 3
14750 /14454	DEF AT local marker foram increase	DEF AT 4
14900 /14587	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
14950 /14632	DEF AT - - - - -	DEF AT 3
15049 /14720	DEF AT Eggerella sp. (local marker)	DEF IN 3
15050 /14721	DEF AT last sample examined	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 59	Date of Summary: 16-JAN-2014	First Sample Examined: 17590
Lease Number: G31404	Source of Paleo: OPERATOR	Borehole MD: 22168
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21400
API Well Number: 177154125500	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 17590 - 22168	Water Depth: 80
Public Info Code: Y 21-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17590 /17589	DEF AT first sample examined	DEF IN 3
17790 /17789	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF IN 3
17940 /17938	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF IN 3
18210 /18206	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
18390 /18383	DEF AT - - - - -	DEF AT 3
18720 /18704	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
18960 /18934	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
19260 /19207	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
19860 /19681	POS AT Upper Miocene (Tortonian) Cyclammina 3	POS AT 4
22168 /21400	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 59	Date of Summary: 12-MAR-2014	First Sample Examined: 21540
Lease Number: G31404	Source of Paleo: OPERATOR	Borehole MD: 23032
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22430
API Well Number: 177154125501	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 21540 - 23032	Water Depth: 80
Public Info Code: Y 21-APR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21540 /21128	DEF AT first sample examined	DEF AT 4
21541 /21129	DEF IN local marker floral decrease	DEF AT 4
21542 /21130	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
23032 /22430	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 63	Date of Summary: 30-SEP-1996	First Sample Examined: 11000
Lease Number: 00599	Source of Paleo: OPERATOR	Borehole MD: 14897
Well Name: J002	Paleo Done By: THOMAS REILLY	Borehole TVD: 14749
API Well Number: 177154090000	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 11000 - 14870	Water Depth: 90
Public Info Code: Y 22-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10856	DEF AT first sample examined	DEF AT 3
12230 /12086	DEF AT - - - - -	DEF AT 4
12320 /12176	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 4
13310 /13165	DEF AT local marker foram increase	DEF AT 5
13580 /13435	DEF AT - - - - -	DEF AT 4
14870 /14722	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 70	Date of Summary: 04-OCT-2007	First Sample Examined: 9000
Lease Number: G24958	Source of Paleo: OPERATOR	Borehole MD: 24285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24275
API Well Number: 177154121900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 9000 - 24270	Water Depth: 60
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT 2
9030 / 9029	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
9990 / 9989	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
10290 /10289	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 2
10560 /10559	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 2
11670 /11669	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
12810 /12808	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 3
13110 /13108	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
13770 /13767	DEF AT - - - - -	DEF AT 3
13920 /13917	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
14580 /14577	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
16890 /16886	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
17190 /17186	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 3
19200 /19196	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
19890 /19885	POS AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 3
24270 /24260	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 81	<b>Date of Summary:</b> 18-SEP-2007	<b>First Sample Examined:</b> 18270
<b>Lease Number:</b> G27155	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20035
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20029
<b>API Well Number:</b> 177154122500	<b>Drilling Operator:</b> BOIS D'ARC OFFSHORE LTD	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18270 - 20040	<b>Water Depth:</b> 61
<b>Public Info Code:</b> Y 29-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18270 /18265	DEF AT first sample examined	DEF AT 3
18271 /18266	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
18570 /18565	DEF AT local marker benthic foram increase	DEF AT 3
18810 /18805	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
19559 /19554	DEF AT local marker planktic foram increase	DEF AT 3
19560 /19555	DEF AT local marker benthic foram increase	DEF AT 3
20040 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 86	Date of Summary: 23-APR-1992	First Sample Examined: 0
Lease Number: 00599	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15320
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 14931
API Well Number: 177154079700	Drilling Operator: ODECO OIL & GAS COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 06-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12655 /12556	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 86	Date of Summary: 21-JAN-1997	First Sample Examined: 0
Lease Number: 00605	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13436
Well Name: 025	Paleo Done By: OPERATOR	Borehole TVD: 13258
API Well Number: 177154077300	Drilling Operator: ODECO DRILLING INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 95
Public Info Code: Y 17-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4190 / 4189	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4850 / 4849	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
7360 / 7356	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
8160 / 8153	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12305 / 12131	DEF AT Cyclammina sp. (local marker)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 98	Date of Summary: 17-JUN-2005	First Sample Examined: 4550
Lease Number: G24962	Source of Paleo: OPERATOR	Borehole MD: 23080
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 23074
API Well Number: 177154117200	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4550 - 23080	Water Depth: 60
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4550 / 4549	DEF AT first sample examined	POS AT 2
4551 / 4550	DEF AT transported inner shelf facies	POS AT 2
4730 / 4729	DEF AT transported inner shelf facies	POS AT 3
4970 / 4969	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
5987 / 5986	POS AT unconformity	DEF AT 4
5988 / 5987	DEF AT reworked material	DEF AT 4
5989 / 5988	DEF IN Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
5990 / 5989	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
6140 / 6139	DEF AT local marker foram decrease	DEF AT 4
7039 / 7038	DEF AT transported inner shelf facies	DEF AT 4
7040 / 7039	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
7698 / 7697	DEF AT transported inner shelf facies	DEF AT 4
7699 / 7698	POS AT maximum flooding surface	DEF AT 4
7700 / 7699	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
7760 / 7759	DEF AT local marker foram decrease	DEF AT 4
9509 / 9508	DEF AT transported inner shelf facies	DEF IN 4
9510 / 9509	DEF AT Eggerella sp. (local marker)	DEF IN 4
10020 /10019	DEF AT unconformity	DEF IN 4
11010 /11009	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 4
12810 /12809	POS AT Upper Miocene (Messinian) Textularia tatumii	DEF AT 5
13950 /13949	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14910 /14909	DEF AT unconformity	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 98	Date of Summary: 17-JUN-2005	First Sample Examined: 4550
Lease Number: G24962	Source of Paleo: OPERATOR	Borehole MD: 23080
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 23074
API Well Number: 177154117200	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4550 - 23080	Water Depth: 60
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15600 /15599	DEF AT sample gap top	POS AT 5
15990 /15989	DEF AT sample gap bottom	DEF AT 5
16260 /16259	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF IN 5
16530 /16529	DEF AT unconformity	DEF IN 5
16619 /16618	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 5
16620 /16619	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 5
17340 /17338	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 6
17490 /17488	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 6
17900 /17898	DEF AT cement	DEF AT 6
18480 /18477	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
18510 /18507	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
18690 /18687	DEF AT local marker foram increase	DEF AT 6
19650 /19646	DEF AT cement	DEF AT 6
20010 /20006	POS AT local marker foram increase	DEF AT 6
20250 /20246	DEF AT drilling material	DEF AT 6
21960 /21956	DEF AT black shale	DEF AT 6
22379 /22374	POS AT reworked material	DEF AT 6
22380 /22375	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
22920 /22914	POS AT local marker foram increase	DEF AT 6
23070 /23063	POS AT local marker foram increase	DEF AT 6
23080 /23073	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 107	<b>Date of Summary:</b> 26-APR-2005	<b>First Sample Examined:</b> 16000
<b>Lease Number:</b> G15319	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16761
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16401
<b>API Well Number:</b> 177154099702	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 117
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16000 - 16750	<b>Water Depth:</b> 72
<b>Public Info Code:</b> Y 20-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15744	DEF AT first sample examined	DEF AT 3
16001 /15745	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
16210 /15927	DEF AT local marker foram increase	DEF AT 4
16750 /16391	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 107	<b>Date of Summary:</b> 26-APR-2005	<b>First Sample Examined:</b> 16000
<b>Lease Number:</b> G15319	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16761
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16401
<b>API Well Number:</b> 177154099702	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 117
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16000 - 16750	<b>Water Depth:</b> 72
<b>Public Info Code:</b> Y 20-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15744	DEF AT first sample examined	DEF AT
16360 /16057	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16750 /16391	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 109	Date of Summary: 02-JUN-2003	First Sample Examined: 13010
Lease Number: G22740	Source of Paleo: OPERATOR	Borehole MD: 19000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18973
API Well Number: 177154112400	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 13010 - 19000	Water Depth: 66
Public Info Code: Y 30-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13010 /13010	DEF AT first sample examined	DEF AT 3
13370 /13370	DEF AT - - - - -	POS AT 4
13408 /13408	POS IN Lower Pliocene (Zanclian) Buliminella 1	POS AT 4
13910 /13910	POS AT Upper Miocene (Messinian) Textularia "X"	POS AT 4
17120 /17102	DEF AT - - - - -	DEF AT 5
17150 /17132	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
17600 /17579	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
17900 /17878	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
18350 /18327	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
18920 /18895	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
19000 /18975	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 111	<b>Date of Summary:</b> 01-DEC-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05602	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17650
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17628
<b>API Well Number:</b> 177154082300	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 10-JAN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12445 /12444	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
14761 /14759	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
15470 /15467	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 131	Date of Summary: 24-AUG-1995	First Sample Examined: 6000
Lease Number: 00456	Source of Paleo: OPERATOR	Borehole MD: 12624
Well Name: G010	Paleo Done By: OPERATOR	Borehole TVD: 10458
API Well Number: 177154084200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 6000 - 12441	Water Depth: 143
Public Info Code: Y 21-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5957	DEF AT first sample examined	DEF AT 2
6001 / 5958	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
6660 / 6512	DEF AT -----	DEF AT 1
9800 / 8606	DEF AT -----	DEF AT 2
9860 / 8647	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
11750 / 9890	DEF AT -----	DEF AT 2
12441 /10338	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 133	Date of Summary: 28-DEC-2004	First Sample Examined: 13320
Lease Number: 00459	Source of Paleo: OPERATOR	Borehole MD: 15962
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15600
API Well Number: 177154116100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 13320 - 15960	Water Depth: 185
Public Info Code: Y 17-JAN-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13320 /12990	DEF AT first sample examined	DEF AT
13321 /12991	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13890 /13540	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13980 /13628	DEF AT local marker floral decrease	DEF AT
15810 /15449	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15840 /15479	DEF AT local marker floral decrease	DEF AT
15960 /15598	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 133	Date of Summary: 28-DEC-2004	First Sample Examined: 9990
Lease Number: 00459	Source of Paleo: OPERATOR	Borehole MD: 15962
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15600
API Well Number: 177154116100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 9990 - 15960	Water Depth: 185
Public Info Code: Y 17-JAN-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9976	DEF AT first sample examined	DEF AT 2
9991 / 9977	DEF IN Upper Pliocene Piacenzian Stage	DEF AT 2
10800 /10752	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN 2
10860 /10807	DEF AT - - - - -	DEF AT 2
10980 /10916	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11040 /10970	DEF AT local marker foram decrease	DEF AT 2
11310 /11205	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11311 /11206	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 2
11400 /11283	DEF AT local marker foram decrease	DEF AT 2
11550 /11413	DEF AT - - - - -	DEF IN 2
12390 /12146	DEF AT local marker foram increase	DEF AT 2
12480 /12225	DEF AT pyrite	DEF AT 2
12540 /12278	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
12541 /12279	DEF AT local marker foram increase	DEF AT 3
12600 /12331	DEF AT - - - - -	DEF IN 2
12630 /12357	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
12660 /12384	DEF AT local marker benthic foram increase	DEF AT 3
12720 /12438	DEF AT faunal change (no faunal increase)	DEF AT 3
12750 /12465	DEF AT - - - - -	DEF IN 2
13110 /12793	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
13140 /12821	DEF AT - - - - -	DEF IN 2
13230 /12905	DEF AT local marker foram decrease	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 133	Date of Summary: 28-DEC-2004	First Sample Examined: 9990
Lease Number: 00459	Source of Paleo: OPERATOR	Borehole MD: 15962
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15600
API Well Number: 177154116100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 9990 - 15960	Water Depth: 185
Public Info Code: Y 17-JAN-2015	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13290 /12962	DEF AT local marker foram increase	DEF AT 2
13320 /12990	DEF AT local marker foram decrease	DEF AT 2
13710 /13365	DEF AT local marker foram decrease	DEF IN 2
13800 /13452	DEF AT -----	DEF AT 2
13890 /13540	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 3
13950 /13599	DEF AT -----	DEF AT 2
13980 /13628	DEF AT local marker foram decrease	DEF AT 2
14190 /13836	DEF AT turbid water facies	POS AT 2
14191 /13837	DEF AT Bathysiphon fauna	POS AT 2
14220 /13865	DEF AT -----	DEF IN 2
14250 /13895	DEF AT local marker foram decrease	DEF AT 2
14400 /14045	DEF AT Cyclammina sp. (local marker)	DEF IN 2
14520 /14164	DEF AT -----	DEF AT 2
14640 /14284	DEF AT -----	DEF IN 2
14670 /14314	DEF AT turbid water facies	POS IN 2
14671 /14315	DEF AT Arenaceous fauna (local marker)	POS IN 2
14672 /14316	DEF AT pyrite	POS IN 2
14790 /14433	DEF AT -----	DEF AT 2
15540 /15181	DEF AT local marker foram increase	DEF IN 2
15570 /15210	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF IN 3
15600 /15240	DEF AT local marker foram decrease	DEF IN 3
15690 /15330	DEF AT local marker foram increase	DEF AT 3
15720 /15360	DEF AT Bathysiphon fauna	DEF AT 3
15750 /15390	DEF AT local marker foram decrease	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 133	<b>Date of Summary:</b> 28-DEC-2004	<b>First Sample Examined:</b> 9990
<b>Lease Number:</b> 00459	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15962
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 15600
<b>API Well Number:</b> 177154116100	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9990 - 15960	<b>Water Depth:</b> 185
<b>Public Info Code:</b> Y 17-JAN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15810 /15449	DEF AT Arenaceous fauna (local marker)	DEF IN 3
15840 /15479	DEF AT local marker foram decrease	DEF IN 3
15900 /15539	DEF AT -----	DEF AT 3
15930 /15569	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 135	Date of Summary: 29-AUG-1991	First Sample Examined: 8101
Lease Number: 00462	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 17580
API Well Number: 177154078100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 1200 - 17582	Water Depth: 105
Public Info Code: Y 03-JUN-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8101 / 8101	DEF AT first sample examined	DEF AT 1
9540 / 9540	DEF AT -----	DEF IN 2
9720 / 9720	DEF AT -----	DEF AT 1
9900 / 9900	DEF AT -----	DEF IN 2
10260 /10260	DEF AT -----	DEF AT 1
10740 /10739	DEF AT -----	DEF IN 2
11130 /11129	DEF AT -----	DEF IN 1
12060 /12058	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
13500 /13498	DEF AT -----	DEF AT 2
14730 /14727	DEF AT -----	DEF AT 1
16620 /16614	DEF AT -----	DEF AT 2
16990 /16983	DEF AT -----	DEF IN 3
17350 /17342	DEF AT -----	DEF AT 4
17460 /17452	DEF AT -----	DEF AT 5
17582 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 139	<b>Date of Summary:</b> 28-JAN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G18040	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15803
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15798
<b>API Well Number:</b> 177154093400	<b>Drilling Operator:</b> NORCEN EXPLORER INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 61
<b>Public Info Code:</b> Y 26-DEC-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7190 / 7189	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10100 /10099	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12450 /12448	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 143	Date of Summary: 06-JAN-2004	First Sample Examined: 3750
Lease Number: G01252	Source of Paleo: OPERATOR	Borehole MD: 17935
Well Name: E004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17280
API Well Number: 177154114700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 120
Paleo Report Num: 1 of 2	Sample Range: 3750 - 17935	Water Depth: 75
Public Info Code: Y 19-DEC-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3750 / 3749	DEF AT first sample examined	DEF AT 3
3751 / 3750	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4680 / 4679	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6180 / 6179	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
6270 / 6269	DEF AT -----	DEF AT 4
6300 / 6299	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
6720 / 6719	DEF AT -----	DEF AT 3
7410 / 7401	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10980 /10753	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12040 /11740	DEF AT -----	DEF AT 4
14080 /13621	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
14770 /14278	DEF AT -----	DEF AT 3
15160 /14650	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
17935 /17281	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 143	Date of Summary: 06-JAN-2004	First Sample Examined: 16000
Lease Number: G01252	Source of Paleo: OPERATOR	Borehole MD: 17935
Well Name: E004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17280
API Well Number: 177154114700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 120
Paleo Report Num: 2 of 2	Sample Range: 16000 - 17935	Water Depth: 75
Public Info Code: Y 19-DEC-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 /15449	DEF AT first sample examined	DEF AT
16810 /16213	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
17935 /17281	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 143	Date of Summary: 06-OCT-1995	First Sample Examined: 0
Lease Number: G06767	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4075
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 3699
API Well Number: 177154080800	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 17-JAN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7019 /	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 143	<b>Date of Summary:</b> 01-OCT-1999	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G06767	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16812
<b>Well Name:</b> E001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16711
<b>API Well Number:</b> 177154098300	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5000 - 16610	<b>Water Depth:</b> 75
<b>Public Info Code:</b> Y 17-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 2
5001 / 5001	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5060 / 5060	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 2
5210 / 5210	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
5390 / 5390	DEF AT brown shale	DEF AT 2
5510 / 5510	DEF AT pyrite	DEF AT 2
5570 / 5570	DEF AT local marker benthic foram increase	DEF AT 2
5750 / 5750	DEF AT faunal change (no faunal increase)	DEF IN 2
5900 / 5900	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 2
6260 / 6260	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 2
6500 / 6500	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 3
6560 / 6560	DEF AT local marker planktic foram increase	DEF AT 3
6650 / 6650	DEF AT pyrite	DEF AT 3
6710 / 6710	DEF AT faunal change (no faunal increase)	DEF IN 3
6860 / 6860	DEF AT pyrite	DEF AT 3
7190 / 7190	DEF AT local marker benthic foram increase	DEF AT 3
7250 / 7250	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
7280 / 7280	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7790 / 7790	DEF AT shell fragments	DEF IN 2
7910 / 7910	DEF AT faunal change (no faunal increase)	DEF AT 2
8090 / 8090	POS AT local marker foram increase	DEF AT 3
8570 / 8570	DEF AT shell fragments	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 143	Date of Summary: 01-OCT-1999	First Sample Examined: 5000
Lease Number: G06767	Source of Paleo: OPERATOR	Borehole MD: 16812
Well Name: E001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16711
API Well Number: 177154098300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 5000 - 16610	Water Depth: 75
Public Info Code: Y 17-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9140 / 9140	DEF AT faunal change (no faunal increase)	DEF IN 2
9260 / 9260	POS AT Arenaceous fauna (local marker)	DEF IN 2
9290 / 9290	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN 2
9350 / 9350	DEF AT faunal change (no faunal increase)	DEF AT 2
9710 / 9710	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
9770 / 9770	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
9920 / 9920	DEF AT local marker benthic foram increase	DEF IN 2
9950 / 9950	DEF AT faunal change (no faunal increase)	POS AT 2
10040 /10040	DEF AT shell fragments	POS AT 2
10250 /10250	DEF AT faunal change (no faunal increase)	POS IN 2
10340 /10340	DEF AT local marker benthic foram increase	POS IN 2
10490 /10490	DEF AT local marker benthic foram increase	POS IN 2
10520 /10520	DEF AT sample gap top	POS IN 2
10610 /10610	DEF AT sample gap bottom	DEF IN 2
10700 /10700	DEF AT Arenaceous fauna (local marker)	POS IN 2
11030 /11029	DEF AT local marker benthic foram increase	POS AT 2
11120 /11118	DEF AT Arenaceous fauna (local marker)	POS AT 2
11390 /11384	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	POS AT 2
11780 /11759	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
11870 /11845	DEF AT sand	DEF IN 2
12080 /12046	DEF AT local marker foram increase	DEF IN 2
12200 /12161	DEF AT local marker benthic foram increase	DEF AT 3
12260 /12218	DEF AT local marker benthic foram increase	DEF AT 3
12410 /12361	DEF AT Arenaceous fauna (local marker)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 143	Date of Summary: 01-OCT-1999	First Sample Examined: 5000
Lease Number: G06767	Source of Paleo: OPERATOR	Borehole MD: 16812
Well Name: E001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16711
API Well Number: 177154098300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 5000 - 16610	Water Depth: 75
Public Info Code: Y 17-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12440 /12390	POS AT local marker benthic foram increase	DEF IN 2
12740 /12677	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12770 /12706	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12830 /12763	DEF AT pyrite	DEF AT 4
12890 /12822	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
12980 /12909	DEF AT local marker planktic foram increase	DEF AT 4
13010 /12939	DEF AT sand	DEF AT 4
13100 /13027	DEF AT sample gap top	POS AT 4
13160 /13085	DEF AT sample gap bottom	DEF IN 3
13340 /13263	DEF AT faunal change (no faunal increase)	DEF AT 3
13370 /13292	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13400 /13322	DEF AT local marker benthic foram increase	DEF AT 3
13970 /13888	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
14570 /14488	DEF AT local marker benthic foram increase	DEF AT 3
14870 /14787	DEF AT faunal change (no faunal increase)	DEF IN 3
15050 /14967	DEF AT faunal change (no faunal increase)	DEF AT 3
15380 /15296	DEF AT local marker benthic foram increase	DEF AT 3
15530 /15445	DEF AT sample gap top	POS AT 3
15800 /15714	DEF AT sample gap bottom	DEF AT 2
16460 /16366	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 2
16610 /16513	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 143	Date of Summary: 31-AUG-2000	First Sample Examined: 0
Lease Number: G06767	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15925
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD: 15800
API Well Number: 177154098500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 26-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15230 /15106	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 143	Date of Summary: 14-SEP-2001	First Sample Examined: 0
Lease Number: G06767	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18597
Well Name: E003	Paleo Done By: OPERATOR	Borehole TVD: 16901
API Well Number: 177154107200	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 29-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13707 /12559	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 143	<b>Date of Summary:</b> 27-SEP-2001	<b>First Sample Examined:</b> 3530
<b>Lease Number:</b> G06767	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18597
<b>Well Name:</b> E003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16901
<b>API Well Number:</b> 177154107200	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3530 - 18597	<b>Water Depth:</b> 75
<b>Public Info Code:</b> Y 29-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3530 / 3530	DEF AT first sample examined	DEF AT 3
4040 / 4039	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6080 / 5907	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
6560 / 6325	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
7700 / 7316	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10640 / 9859	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11000 /10175	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
12350 /11370	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13340 /12242	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
18597 /16901	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 144	Date of Summary: 20-OCT-2011	First Sample Examined: 10720
Lease Number: G21667	Source of Paleo: OPERATOR	Borehole MD: 32920
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32561
API Well Number: 177154124400	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 10720 - 32920	Water Depth: 85
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Blackbeard East Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10720 /10720	DEF AT first sample examined	DEF IN 3
10990 /10990	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
11560 /11560	DEF AT - - - - -	DEF AT 4
11710 /11710	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
12730 /12730	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
15010 /15010	DEF AT - - - - -	DEF AT 3
19660 /19655	DEF AT - - - - -	DEF AT 4
19750 /19745	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
19808 /19802	POS AT unconformity	DEF AT 4
19809 /19803	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19810 /19804	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
19840 /19834	POS IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21429 /21421	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
21430 /21422	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21698 /21690	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21699 /21691	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
21700 /21692	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
21790 /21781	DEF AT - - - - -	DEF AT 6
21850 /21841	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
22329 /22320	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
22330 /22321	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 144	Date of Summary: 20-OCT-2011	First Sample Examined: 10720
Lease Number: G21667	Source of Paleo: OPERATOR	Borehole MD: 32920
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32561
API Well Number: 177154124400	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 10720 - 32920	Water Depth: 85
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22390 /22381	DEF AT - - - - -	DEF AT 5
23590 /23580	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
23920 /23909	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
24760 /24746	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
25419 /25402	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
25420 /25403	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 5
25720 /25701	POS IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 5
27820 /27787	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 5
28300 /28249	POS IN Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
28420 /28363	POS IN Lower Miocene (Aquitania) Globorotalia kugleri	DEF AT 5
29230 /29132	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
30220 /30064	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
30250 /30092	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
30310 /30148	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
31000 /30785	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
31300 /31062	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT 5
31600 /31340	POS AT reworked material	DEF AT 5
31990 /31700	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT 5
32020 /31728	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
32149 /31848	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
32150 /31848	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
32349 /32033	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
32350 /32033	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT 5
32380 /32061	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 144	<b>Date of Summary:</b> 20-OCT-2011	<b>First Sample Examined:</b> 10720
<b>Lease Number:</b> G21667	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 32920
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 32561
<b>API Well Number:</b> 177154124400	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10720 - 32920	<b>Water Depth:</b> 85
<b>Public Info Code:</b> Y 18-JUN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32409 /32088	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
32410 /32089	POS AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 5
32680 /32339	DEF AT - - - - -	DEF AT 4
32830 /32478	POS AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 4
32920 /32561	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 144	Date of Summary: 01-MAR-2012	First Sample Examined: 32010
Lease Number: G21667	Source of Paleo: OPERATOR	Borehole MD: 33882
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 33320
API Well Number: 177154124401	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 32010 - 33880	Water Depth: 85
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32010 /31707	DEF AT first sample examined	DEF IN 5
32011 /31708	DEF IN Lower Oligocene (Rupelian) <i>Ericsonia formosa</i>	DEF IN 5
32159 /31840	DEF AT Upper Eocene (Priabonian) <i>Discoaster barbadiensis</i>	DEF IN 5
32160 /31841	DEF AT Upper Eocene (Priabonian) <i>Cribrocentrum reticulatum</i>	DEF IN 5
32250 /31920	POS AT Upper Eocene (Priabonian) <i>Globorotalia cerroazulensis cocoaensis</i>	DEF IN 5
32310 /31972	POS IN Upper Eocene (Priabonian) <i>Globorotalia pomeroli</i>	DEF IN 5
32370 /32025	POS AT Middle Eocene (Bartonian) <i>Sphenolithus furcatolithoides</i>	DEF IN 5
32430 /32077	POS AT Middle Eocene (Bartonian) <i>Globorotalia bullbrooki</i>	DEF IN 5
32630 /32249	DEF AT - - - - -	DEF AT 4
33280 /32805	POS AT Middle Eocene (Bartonian) <i>Acarinina broedermanni</i>	DEF AT 4
33880 /33318	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 145	Date of Summary: 24-FEB-1994	First Sample Examined: 0
Lease Number: G14528	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10536
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10310
API Well Number: 177154084400	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 29-JUN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2715 / 2715	POS AT Pleistocene	DEF AT
3480 / 3480	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5190 / 5145	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6570 / 6464	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
6870 / 6751	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8550 / 8363	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 148	Date of Summary: 01-NOV-1991	First Sample Examined: 0
Lease Number: G01898	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16250
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16209
API Well Number: 177154079200	Drilling Operator: CENTURY OFFSHORE MANAGEMENT	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 103
Public Info Code: Y 02-NOV-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10960 /10957	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
12980 /12965	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
14600 /14566	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 148	<b>Date of Summary:</b> 13-NOV-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01960	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16962
<b>Well Name:</b> A006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16291
<b>API Well Number:</b> 177154074600	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 110
<b>Public Info Code:</b> Y 28-JUL-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8840 / 8589	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
9140 / 8859	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10640 /10222	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
13700 /13055	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 148	<b>Date of Summary:</b> 19-JUN-1996	<b>First Sample Examined:</b> 10783
<b>Lease Number:</b> G01960	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16452
<b>Well Name:</b> A007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16083
<b>API Well Number:</b> 177154089000	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 135
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10783 - 16452	<b>Water Depth:</b> 111
<b>Public Info Code:</b> Y 05-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10783 /10546	DEF AT first sample examined	DEF AT 2
12030 /11734	DEF AT - - - - -	DEF AT 3
12900 /12566	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
14550 /14185	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
14640 /14275	DEF AT - - - - -	DEF AT 4
16452 /16083	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 155	Date of Summary: 14-JUL-2009	First Sample Examined: 11500
Lease Number: G26099	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19696
API Well Number: 177154123200	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 11500 - 19700	Water Depth: 187
Public Info Code: Y 12-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nanno species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11500 /11497	DEF AT first sample examined	DEF AT 3
11919 /11916	POS AT maximum flooding surface	DEF AT 3
11920 /11917	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11980 /11977	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
12700 /12697	POS AT maximum flooding surface	DEF AT 4
12790 /12787	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
12850 /12847	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
12999 /12996	POS AT maximum flooding surface	DEF AT 4
13000 /12997	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
13400 /13397	POS AT maximum flooding surface	DEF AT 4
13630 /13627	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14020 /14017	POS AT maximum flooding surface	DEF AT 5
14050 /14047	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
14709 /14706	POS AT maximum flooding surface	DEF AT 5
14710 /14707	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
15130 /15127	DEF AT -----	DEF AT 6
15520 /15516	POS AT maximum flooding surface	DEF AT 6
15580 /15576	DEF AT -----	DEF AT 5
16149 /16145	DEF AT local marker floral increase	DEF AT 5
16150 /16146	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
16180 /16176	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
16300 /16296	POS AT maximum flooding surface	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 155	Date of Summary: 14-JUL-2009	First Sample Examined: 11500
Lease Number: G26099	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19696
API Well Number: 177154123200	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 11500 - 19700	Water Depth: 187
Public Info Code: Y 12-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16330 /16326	DEF AT - - - - -	DEF AT 6
16569 /16565	POS AT maximum flooding surface	DEF AT 6
16570 /16566	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
16630 /16626	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 6
17079 /17075	POS AT maximum flooding surface	DEF AT 6
17080 /17076	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
17830 /17826	POS AT maximum flooding surface	DEF AT 6
18098 /18094	POS AT maximum flooding surface	DEF AT 6
18099 /18095	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
18100 /18096	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
19270 /19266	POS AT maximum flooding surface	DEF AT 6
19300 /19296	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
19630 /19626	POS AT maximum flooding surface	DEF AT 6
19700 /19696	DEF AT first sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 158	<b>Date of Summary:</b> 28-FEB-1997	<b>First Sample Examined:</b> 7510
<b>Lease Number:</b> G16430	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15381
<b>API Well Number:</b> 177154091300	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7510 - 15400	<b>Water Depth:</b> 147
<b>Public Info Code:</b> Y 23-MAY-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7510 / 7507	DEF AT first sample examined	DEF AT 4
7840 / 7837	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
8590 / 8587	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8830 / 8827	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9080 / 9076	DEF AT faunal change (no faunal increase)	DEF AT 5
9470 / 9466	DEF AT faunal change (no faunal increase)	DEF AT 4
12620 /12616	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
15400 /15381	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 158	Date of Summary: 10-MAR-1997	First Sample Examined: 7510
Lease Number: G16430	Source of Paleo: OPERATOR	Borehole MD: 15400
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15381
API Well Number: 177154091300	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 7510 - 15400	Water Depth: 147
Public Info Code: Y 23-MAY-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7510 / 7507	DEF AT first sample examined	DEF AT
7511 / 7508	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7630 / 7627	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7750 / 7747	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8620 / 8617	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8650 / 8647	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8890 / 8887	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11510 /11506	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12770 /12766	POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15400 /15381	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 159	Date of Summary: 15-OCT-2003	First Sample Examined: 7300
Lease Number: G23925	Source of Paleo: OPERATOR	Borehole MD: 10164
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9968
API Well Number: 177154113600	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7300 - 10164	Water Depth: 133
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7296	DEF AT first sample examined	DEF IN 3
7420 / 7415	DEF AT - - - - -	DEF AT 4
7870 / 7860	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
8560 / 8533	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9160 / 9096	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10164 / 9968	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 159	Date of Summary: 04-OCT-2003	First Sample Examined: 8168
Lease Number: G23925	Source of Paleo: OPERATOR	Borehole MD: 17223
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17179
API Well Number: 177154113601	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 8168 - 17220	Water Depth: 133
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8168 / 8155	DEF AT first sample examined	DEF IN 4
8200 / 8186	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 4
8830 / 8810	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9190 / 9170	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12760 /12718	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
15420 /15377	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16320 /16277	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
16350 /16307	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 6
16380 /16337	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
16680 /16637	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
16710 /16667	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
16830 /16786	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
17040 /16996	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
17130 /17086	DEF AT salt	DEF AT 6
17160 /17116	DEF AT anhydrite	DEF AT 6
17220 /17176	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 159	<b>Date of Summary:</b> 15-OCT-2003	<b>First Sample Examined:</b> 16020
<b>Lease Number:</b> G23925	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17223
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17179
<b>API Well Number:</b> 177154113601	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16020 - 17220	<b>Water Depth:</b> 133
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16020 /15977	DEF AT first sample examined	DEF AT
16320 /16277	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16710 /16667	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16830 /16786	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17040 /16996	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17130 /17086	DEF AT salt	DEF AT
17220 /17176	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 159	<b>Date of Summary:</b> 15-OCT-2003	<b>First Sample Examined:</b> 16710
<b>Lease Number:</b> G23925	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18297
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16514
<b>API Well Number:</b> 177154113602	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 16710 - 18270	<b>Water Depth:</b> 133
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16710 /16063	DEF AT first sample examined	DEF AT
17250 /16223	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18270 /16507	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 160	Date of Summary: 26-JAN-1999	First Sample Examined: 18610
Lease Number: G05606	Source of Paleo: OPERATOR	Borehole MD: 21643
Well Name: E004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19320
API Well Number: 177154095600	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 115
Paleo Report Num: 1 of 2	Sample Range: 18610 - 21643	Water Depth: 110
Public Info Code: Y 08-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18610 /17320	DEF AT first sample examined	DEF AT 3
19150 /17658	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
20140 /18272	DEF AT - - - - -	DEF AT 4
21643 /19320	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 160	Date of Summary: 02-FEB-1999	First Sample Examined: 18610
Lease Number: G05606	Source of Paleo: OPERATOR	Borehole MD: 21643
Well Name: E004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19320
API Well Number: 177154095600	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 115
Paleo Report Num: 2 of 2	Sample Range: 18610 - 21643	Water Depth: 110
Public Info Code: Y 08-OCT-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18610 /17320	DEF AT first sample examined	DEF AT
18790 /17434	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
20980 /18849	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
21643 /19320	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 160	Date of Summary: 17-MAR-1998	First Sample Examined: 5510
Lease Number: G18045	Source of Paleo: OPERATOR	Borehole MD: 16001
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15296
API Well Number: 177154094500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 4	Sample Range: 5510 - 13400	Water Depth: 130
Public Info Code: Y 30-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details, from 5510 to 7940, 90' samples analyzed, from 7940 to 13400, 60' samples analyzed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5510 / 5510	DEF AT first sample examined	DEF AT 2
5780 / 5780	DEF AT - - - - -	DEF AT 3
6500 / 6500	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
8180 / 8176	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
13400 /13014	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 160	Date of Summary: 17-MAR-1998	First Sample Examined: 12980
Lease Number: G18045	Source of Paleo: OPERATOR	Borehole MD: 16001
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15296
API Well Number: 177154094500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 90
Paleo Report Num: 2 of 4	Sample Range: 12980 - 16001	Water Depth: 130
Public Info Code: Y 30-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Redrill report, foram species abundance and diversity chart available, see report for details, from 12980 to 14000, 60' samples analyzed, from 14000 to 16001, 30' samples analyzed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12980 /12639	DEF AT first sample examined	DEF AT 3
14030 /13587	DEF AT faunal change (no faunal increase)	DEF AT 4
14630 /14117	DEF AT faunal change (no faunal increase)	DEF AT 3
14840 /14300	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
15800 /15125	DEF AT faunal change (no faunal increase)	DEF AT 4
16001 /15296	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 160	Date of Summary: 17-MAR-1998	First Sample Examined: 5330
Lease Number: G18045	Source of Paleo: OPERATOR	Borehole MD: 16001
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15296
API Well Number: 177154094500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 90
Paleo Report Num: 3 of 4	Sample Range: 5330 - 13400	Water Depth: 130
Public Info Code: Y 30-JUN-2002	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details, from 5330 to 7940, 90' samples analyzed, from 7940 to 13400, 60' samples analyzed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5330 / 5330	DEF AT first sample examined	DEF AT
5960 / 5960	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7130 / 7129	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7490 / 7489	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8060 / 8057	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8900 / 8873	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9680 / 9600	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12920 /12586	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13400 /13014	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 160	<b>Date of Summary:</b> 17-MAR-1998	<b>First Sample Examined:</b> 12980
<b>Lease Number:</b> G18045	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16001
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15296
<b>API Well Number:</b> 177154094500	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 12980 - 16001	<b>Water Depth:</b> 130
<b>Public Info Code:</b> Y 30-JUN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report for redrill, from 12980 to 14000, 60' samples analyzed, from 14000 to 16001, 30' samples analyzed, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12980 /12639	DEF AT first sample examined	DEF AT
15020 /14457	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16001 /15296	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 161	Date of Summary: 27-OCT-1993	First Sample Examined: 0
Lease Number: G01248	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10000
Well Name: C012	Paleo Done By: OPERATOR	Borehole TVD: 8732
API Well Number: 177154081701	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 30-AUG-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9315 / 8119	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9780 / 8534	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 168	Date of Summary: 01-MAY-2006	First Sample Examined: 516
Lease Number: G21669	Source of Paleo: OPERATOR	Borehole MD: 12872
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12872
API Well Number: 177154117300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 516 - 12590	Water Depth: 70
Public Info Code: Y 24-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Blackbeard Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
516 / 516	DEF AT first sample examined	DEF AT
517 / 517	DEF IN Upper Pleistocene (Ionian) Emiliana huxleyi (base of acme)	DEF AT
1050 / 1050	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
1830 / 1830	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3360 / 3360	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
4200 / 4200	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4950 / 4950	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6000 / 6000	DEF AT -----	DEF AT 3
6210 / 6210	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
6509 / 6509	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
6510 / 6510	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 3
6840 / 6840	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 3
6960 / 6960	DEF AT -----	DEF AT 2
7050 / 7050	DEF AT -----	DEF AT 3
7170 / 7170	DEF AT -----	DEF AT 2
7260 / 7260	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
7380 / 7380	DEF AT -----	DEF AT 2
7770 / 7770	DEF AT -----	DEF AT 3
7830 / 7830	DEF AT -----	DEF AT 2
7950 / 7950	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
8400 / 8400	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 2
9330 / 9330	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 168	Date of Summary: 01-MAY-2006	First Sample Examined: 516
Lease Number: G21669	Source of Paleo: OPERATOR	Borehole MD: 12872
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12872
API Well Number: 177154117300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 516 - 12590	Water Depth: 70
Public Info Code: Y 24-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9450	DEF AT -----	DEF AT 2
9599 / 9599	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 2
9600 / 9600	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 2
9630 / 9630	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
9930 / 9930	DEF AT -----	DEF AT 2
10770 /10770	DEF AT -----	DEF AT 3
10830 /10830	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
10890 /10890	DEF AT -----	DEF AT 2
11130 /11130	DEF AT maximum flooding surface	DEF AT 3
11280 /11280	DEF AT local marker floral increase	DEF AT 3
11310 /11310	DEF AT -----	DEF AT 2
11850 /11850	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11970 /11970	DEF AT -----	DEF AT 2
12089 /12089	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4
12090 /12090	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
12240 /12240	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
12360 /12360	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
12480 /12480	DEF AT -----	DEF AT 3
12590 /12590	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 168	Date of Summary: 01-MAY-2006	First Sample Examined: 12590
Lease Number: G21669	Source of Paleo: OPERATOR	Borehole MD: 21187
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21173
API Well Number: 177154117301	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 12590 - 17053	Water Depth: 70
Public Info Code: Y 24-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Blackbeard Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12590 /12590	DEF AT first sample examined	DEF AT 3
12591 /12591	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 3
12840 /12840	DEF AT -----	DEF AT 4
13020 /13019	DEF AT -----	DEF AT 3
13230 /13229	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
13320 /13319	DEF AT -----	DEF AT 3
13800 /13799	DEF AT -----	DEF AT 2
14280 /14279	DEF AT -----	DEF AT 3
14310 /14309	DEF AT local marker benthic foram increase	DEF AT 4
14430 /14429	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
14520 /14519	DEF AT -----	DEF AT 3
14940 /14939	DEF AT -----	DEF AT 4
14970 /14969	DEF AT local marker planktic foram increase	DEF AT 4
15150 /15149	DEF AT -----	DEF AT 3
15239 /15238	DEF AT local marker floral increase	DEF AT 4
15240 /15239	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
15360 /15359	DEF AT -----	DEF AT 3
15719 /15718	DEF AT local marker floral increase	DEF AT 4
15720 /15719	DEF AT local marker foram increase	DEF AT 4
15930 /15929	DEF AT -----	DEF AT 3
15960 /15959	DEF AT reworked material	DEF AT 3
17010 /17008	DEF AT local marker benthic foram increase	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 168	Date of Summary: 01-MAY-2006	First Sample Examined: 12590
Lease Number: G21669	Source of Paleo: OPERATOR	Borehole MD: 21187
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21173
API Well Number: 177154117301	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 12590 - 17053	Water Depth: 70
Public Info Code: Y 24-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17053 /17051	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 168	Date of Summary: 21-SEP-2006	First Sample Examined: 17053
Lease Number: G21669	Source of Paleo: OPERATOR	Borehole MD: 32997
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32967
API Well Number: 177154117302	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 126
Paleo Report Num: 1 of 2	Sample Range: 17053 - 30067	Water Depth: 72
Public Info Code: Y 24-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Blackbeard Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17053 /17051	DEF AT first sample examined	DEF AT 3
17730 /17728	DEF AT -----	DEF AT 2
18000 /17998	DEF AT -----	DEF AT 3
18090 /18088	DEF AT -----	DEF AT 2
19050 /19048	DEF AT -----	DEF AT 3
19080 /19078	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
19110 /19108	DEF AT -----	DEF AT 3
19260 /19257	DEF AT -----	DEF AT 2
19500 /19497	DEF AT -----	DEF AT 3
19740 /19737	DEF AT -----	DEF AT 2
19770 /19767	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 2
19860 /19857	DEF AT -----	DEF AT 3
20040 /20037	DEF AT -----	DEF AT 2
20580 /20577	DEF AT -----	DEF AT 3
21030 /21027	DEF AT -----	DEF AT 2
21180 /21177	DEF AT -----	DEF AT 3
21269 /21266	DEF AT local marker foram decrease	DEF AT 2
21270 /21267	DEF AT drilling material	DEF AT 2
27840 /27836	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
28249 /28245	DEF AT out-of-place section	DEF AT
28250 /28246	DEF AT gypsum	DEF AT
28860 /28856	DEF AT salt	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 168	Date of Summary: 21-SEP-2006	First Sample Examined: 17053
Lease Number: G21669	Source of Paleo: OPERATOR	Borehole MD: 32997
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32967
API Well Number: 177154117302	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 126
Paleo Report Num: 1 of 2	Sample Range: 17053 - 30067	Water Depth: 72
Public Info Code: Y 24-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29160 /29155	DEF AT out-of-place section	DEF AT
29540 /29535	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
30067 /30060	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 168	Date of Summary: 01-DEC-2008	First Sample Examined: 30040
Lease Number: G21669	Source of Paleo: OPERATOR	Borehole MD: 32997
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32967
API Well Number: 177154117302	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 126
Paleo Report Num: 2 of 2	Sample Range: 30040 - 32990	Water Depth: 72
Public Info Code: Y 24-JUN-2015	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Blackbeard Prospect, consultant-integrated foram and nanno report, foram and nanno species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30040 /30033	DEF AT first sample examined	DEF AT
30041 /30034	DEF IN Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
30959 /30946	POS IN Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (increase)	DEF AT
30960 /30947	POS IN Lower Miocene (Aquitanian) <i>Sphenolithus dissimilis</i>	DEF AT
31890 /31870	POS IN Lower Miocene (Burdigalian) <i>Sphenolithus disbelemnos</i>	DEF AT
31959 /31938	POS AT maximum flooding surface	DEF AT
31960 /31939	POS IN Lower Miocene (Burdigalian) <i>Sphenolithus belemnos</i>	DEF AT
32002 /31981	POS IN Lower Miocene (Burdigalian) <i>Catapsydrax dissimilis</i>	DEF AT
32026 /32004	POS IN Lower Miocene (Burdigalian) <i>Triquetrorhabdulus carinatus</i>	DEF AT
32114 /32092	POS IN Lower Miocene (Aquitanian) <i>Cyclicargolithus abisectus</i>	DEF AT
32115 /32093	POS IN Upper Oligocene (Chattian) <i>Dictyococcites bisectus</i>	DEF AT
32569 /32543	POS AT maximum flooding surface	DEF AT
32570 /32544	POS AT Upper Oligocene (Chattian) <i>Sphenolithus ciperoensis</i>	DEF AT
32990 /32960	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 172	Date of Summary: 17-JAN-1992	First Sample Examined: 0
Lease Number: G01256	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13110
Well Name: C005	Paleo Done By: OPERATOR	Borehole TVD: 11995
API Well Number: 177154061501	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 108
Public Info Code: Y 09-JAN-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5160 / 4636	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7200 / 6511	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7710 / 6983	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7980 / 7232	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 172	Date of Summary: 24-FEB-1992	First Sample Examined: 0
Lease Number: G01256	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13389
Well Name: C006	Paleo Done By: OPERATOR	Borehole TVD: 12005
API Well Number: 177154079500	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 108
Public Info Code: Y 17-FEB-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4960 / 4650	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7200 / 6552	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7700 / 6976	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7830 / 7086	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
8000 / 7230	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 172	<b>Date of Summary:</b> 13-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01256	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13915
<b>Well Name:</b> E001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13202
<b>API Well Number:</b> 177154085900	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 110
<b>Public Info Code:</b> Y 05-AUG-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7498	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10410 / 9978	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
11620 / 10967	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 172	<b>Date of Summary:</b> 06-OCT-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01256	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13356
<b>Well Name:</b> E002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13099
<b>API Well Number:</b> 177154086400	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 113
<b>Public Info Code:</b> Y 17-SEP-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7680 / 7510	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10230 / 9975	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
11015 /10759	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 173	<b>Date of Summary:</b> 24-JUN-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G04001	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10910
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10000
<b>API Well Number:</b> 177154081100	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 110
<b>Public Info Code:</b> Y 02-FEB-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6714 / 6690	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8790 / 8396	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
10560 / 9728	DEF AT Cyclammia sp. (local marker)	DEF AT
10890 / 9985	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 174	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 14640
<b>Lease Number:</b> G22742	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13702
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 13500
<b>API Well Number:</b> 177154108600	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14640 - 25756	<b>Water Depth:</b> 119
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14640 /	DEF AT first sample examined	DEF AT
14760 /	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14850 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16740 /	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16980 /	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
17010 /	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17910 /	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20040 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21210 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21270 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
23820 /	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25756 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 174	<b>Date of Summary:</b> 10-FEB-2004	<b>First Sample Examined:</b> 14640
<b>Lease Number:</b> G22742	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25756
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 25745
<b>API Well Number:</b> 177154113900	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14640 - 25756	<b>Water Depth:</b> 118
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Shark Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14640 /14633	DEF AT first sample examined	DEF IN 2
14730 /14723	DEF AT Cyclammia cancellata (local marker)	DEF IN 2
14760 /14753	DEF AT faunal change (no faunal increase)	DEF AT 3
14790 /14783	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
14850 /14843	DEF AT local marker benthic foram increase	DEF AT 3
14880 /14873	DEF AT faunal change (no faunal increase)	DEF AT 3
14910 /14903	DEF AT faunal change (no faunal increase)	DEF AT 3
14970 /14963	DEF AT - - - - -	DEF IN 2
15090 /15083	DEF AT drilling material	POS AT 2
15180 /15173	DEF AT turbid water facies	POS AT 2
15450 /15443	DEF AT Bathysiphon fauna	POS AT 2
15480 /15473	DEF AT faunal change (no faunal increase)	DEF AT 3
15540 /15533	DEF AT turbid water facies	POS AT 3
15570 /15563	DEF AT - - - - -	DEF AT 3
15630 /15623	DEF AT turbid water facies	POS AT 3
15750 /15743	DEF AT faunal change (no faunal increase)	DEF AT 3
15840 /15832	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 3
15870 /15862	DEF AT faunal change (no faunal increase)	DEF IN 3
15960 /15952	DEF AT turbid water facies	POS IN 3
15990 /15982	DEF AT - - - - -	DEF AT 3
16080 /16072	DEF AT - - - - -	DEF AT 4
16110 /16102	DEF AT - - - - -	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 174	<b>Date of Summary:</b> 10-FEB-2004	<b>First Sample Examined:</b> 14640
<b>Lease Number:</b> G22742	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25756
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 25745
<b>API Well Number:</b> 177154113900	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14640 - 25756	<b>Water Depth:</b> 118
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16170 /16162	DEF AT turbid water facies	DEF IN 2
16320 /16312	DEF AT -----	DEF AT 3
16349 /16341	DEF AT turbid water facies	POS AT 3
16350 /16342	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
16380 /16372	DEF AT -----	DEF IN 2
16410 /16402	DEF AT Bathysiphon fauna	DEF AT 3
16440 /16432	DEF AT local marker planktic foram increase	DEF AT 3
16530 /16522	DEF AT local marker foram increase	DEF AT 3
16650 /16642	DEF AT local marker benthic foram increase	DEF AT 3
16950 /16941	DEF AT local marker benthic foram increase	POS AT 3
17010 /17001	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
17070 /17061	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
17130 /17121	DEF AT local marker planktic foram increase	DEF AT 4
17310 /17301	DEF AT -----	DEF IN 3
17339 /17330	DEF AT turbid water facies	POS IN 3
17340 /17331	DEF AT Arenaceous fauna (local marker)	POS IN 3
17430 /17421	DEF AT -----	DEF AT 3
17520 /17511	DEF AT local marker foram increase	DEF AT 4
17550 /17541	DEF AT -----	DEF IN 3
17580 /17571	DEF AT turbid water facies	POS IN 3
17610 /17601	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
17700 /17691	DEF AT -----	DEF AT 3
17730 /17721	DEF AT -----	DEF AT 4
17760 /17751	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17820 /17811	DEF AT local marker benthic foram increase	DEF AT 4
17910 /17901	DEF AT faunal change (no faunal increase)	DEF AT 4
17939 /17930	DEF IN Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
17940 /17931	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
18000 /17991	DEF AT turbid water facies	POS AT 4
18090 /18081	DEF AT faunal change (no faunal increase)	DEF AT 3
18120 /18111	DEF AT transported shelf fauna	POS AT 3
18180 /18171	DEF AT - - - - -	DEF AT 4
18240 /18231	DEF AT local marker benthic foram increase	DEF AT 4
18420 /18411	DEF AT turbid water facies	POS AT 4
18600 /18591	DEF AT local marker benthic foram increase	DEF AT 4
18660 /18651	DEF AT turbid water facies	POS AT 4
18750 /18741	DEF AT Arenaceous fauna (local marker)	POS AT 4
18780 /18771	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
19110 /19100	DEF AT turbid water facies	POS AT 4
19170 /19160	DEF AT Bathysiphon fauna	POS AT 4
19260 /19250	DEF AT local marker deep water fauna	DEF AT 4
19470 /19460	DEF AT transported shelf fauna	POS AT 4
19560 /19550	DEF AT turbid water facies	POS AT 4
19980 /19970	DEF AT local marker benthic foram increase	DEF AT 4
20040 /20030	DEF AT local marker benthic foram increase	DEF AT 4
20070 /20060	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
20100 /20090	DEF AT - - - - -	DEF IN 3
20190 /20180	DEF AT - - - - -	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 174  
Lease Number: G22742  
Well Name: 002  
API Well Number: 177154113900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-JUN-2006

Date of Summary: 10-FEB-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 14640 - 25756  
Ecozone Eq MMS: Y

First Sample Examined: 14640  
Borehole MD: 25756  
Borehole TVD: 25745  
Rkb Elevation: 114  
Water Depth: 118  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20280 /20270	DEF AT faunal change (no faunal increase)	DEF AT 4
20340 /20330	DEF AT -----	DEF IN 3
20370 /20360	DEF AT cement	DEF AT 4
20429 /20419	DEF AT turbid water facies	POS AT 4
20430 /20420	DEF AT Bathysiphon fauna	POS AT 4
20460 /20450	DEF AT -----	DEF IN 3
20490 /20480	DEF AT faunal change (no faunal increase)	DEF IN 3
20520 /20510	DEF AT local marker foram increase	DEF AT 4
20640 /20630	DEF AT turbid water facies	POS AT 4
20820 /20810	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
20910 /20900	DEF AT reworked material	POS AT 4
21000 /20990	DEF AT local marker foram increase	DEF AT 4
21060 /21050	DEF AT local marker foram increase	DEF AT 4
21090 /21080	DEF AT -----	DEF IN 3
21209 /21199	DEF AT Bathysiphon fauna	DEF AT 5
21210 /21200	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
21240 /21230	DEF AT -----	DEF AT 4
21330 /21320	DEF AT faunal change (no faunal increase)	DEF AT 4
21390 /21380	DEF IN local marker planktic foram increase	DEF AT 4
21450 /21440	DEF AT -----	DEF AT 5
21480 /21470	DEF AT -----	DEF AT 4
21630 /21620	DEF AT -----	DEF IN 3
21689 /21679	DEF AT turbid water facies	POS IN 3
21690 /21680	DEF AT Bathysiphon fauna	POS IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 174	<b>Date of Summary:</b> 10-FEB-2004	<b>First Sample Examined:</b> 14640
<b>Lease Number:</b> G22742	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25756
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 25745
<b>API Well Number:</b> 177154113900	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14640 - 25756	<b>Water Depth:</b> 118
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21750 /21740	DEF AT local marker planktic foram increase	DEF AT 5
21780 /21770	DEF AT -----	DEF AT 4
21870 /21860	DEF AT -----	DEF AT 5
21900 /21890	DEF AT -----	DEF AT 4
21990 /21980	DEF AT faunal change (no faunal increase)	DEF IN 3
22020 /22010	DEF AT local marker foram increase	DEF IN 3
22050 /22040	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
22140 /22130	DEF AT -----	DEF AT 4
22230 /22220	DEF AT -----	DEF AT 5
22260 /22250	DEF AT -----	DEF AT 4
22290 /22280	DEF AT -----	DEF AT 5
22320 /22310	DEF AT -----	DEF AT 4
22380 /22370	DEF AT faunal change (no faunal increase)	DEF AT 4
22560 /22550	DEF AT faunal change (no faunal increase)	DEF AT 4
22650 /22640	DEF AT -----	DEF IN 3
22710 /22700	DEF AT local marker benthic foram increase	DEF AT 4
22830 /22820	DEF AT local marker planktic foram increase	DEF AT 4
22950 /22940	DEF AT turbid water facies	POS AT 4
22980 /22970	DEF AT local marker foram increase	DEF AT 3
23010 /23000	DEF AT local marker planktic foram increase	DEF AT 5
23070 /23060	DEF AT -----	DEF AT 4
23100 /23090	DEF AT local marker benthic foram increase	DEF IN 3
23130 /23120	DEF AT -----	DEF AT 4
23280 /23270	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 174  
Lease Number: G22742  
Well Name: 002  
API Well Number: 177154113900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 30-JUN-2006

Date of Summary: 10-FEB-2004  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 14640 - 25756  
Ecozone Eq MMS: Y

First Sample Examined: 14640  
Borehole MD: 25756  
Borehole TVD: 25745  
Rkb Elevation: 114  
Water Depth: 118  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23310 /23300	DEF AT -----	DEF AT 4
23370 /23360	DEF AT -----	DEF AT 5
23400 /23390	DEF AT -----	DEF AT 4
23550 /23540	DEF AT turbid water facies	POS AT 4
23640 /23630	DEF AT -----	DEF AT 4
23700 /23690	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
24030 /24019	POS AT foram flood	DEF AT 5
24060 /24049	DEF AT -----	DEF AT 4
24240 /24229	DEF IN local marker foram increase	DEF AT 4
24300 /24289	DEF AT -----	DEF IN 3
24330 /24319	DEF AT -----	DEF AT 4
24420 /24409	DEF AT -----	DEF IN 3
24780 /24769	DEF AT local marker benthic foram increase	DEF IN 3
24960 /24949	DEF AT turbid water facies	POS IN 3
25000 /24989	DEF AT -----	DEF IN 3
25050 /25039	DEF AT -----	DEF AT 4
25110 /25099	DEF AT -----	DEF IN 3
25170 /25159	DEF AT local marker planktic foram increase	DEF AT 4
25229 /25218	POS AT reworked material	POS AT 4
25230 /25219	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 4
25259 /25248	DEF AT turbid water facies	POS AT 4
25260 /25249	DEF AT Arenaceous fauna (local marker)	POS AT 4
25320 /25309	DEF AT -----	DEF AT 4
25410 /25399	DEF AT -----	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25440 /25429	DEF AT - - - - -	DEF IN 3
25619 /25608	POS AT reworked material	DEF AT 4
25620 /25609	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
25680 /25669	DEF AT - - - - -	DEF IN 3
25756 /25745	DEF AT last sample examined	DEF IN 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 178	Date of Summary: 13-JAN-1997	First Sample Examined: 0
Lease Number: G12019	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16313
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 16281
API Well Number: 177154086300	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 13-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3949 / 3948	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4900 / 4899	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7600 / 7599	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10700 /10699	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11930 /11926	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 192	Date of Summary: 07-JUN-2001	First Sample Examined: 0
Lease Number: G04463	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14830
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 14806
API Well Number: 177154086800	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 126
Public Info Code: Y 27-OCT-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 /10097	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12600 /12592	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 193	Date of Summary: 02-JAN-1991	First Sample Examined: 4550
Lease Number: G12024	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16485
API Well Number: 177154076400	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 93
Paleo Report Num: 1 of 2	Sample Range: 4550 - 16500	Water Depth: 120
Public Info Code: Y 21-NOV-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4550 / 4550	DEF AT first sample examined	DEF AT
4551 / 4551	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5000 / 5000	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5930 / 5930	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6800 / 6800	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7790 / 7790	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7880 / 7880	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8060 / 8060	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9139 / 9139	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9140 / 9140	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13220 /13218	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14540 /14532	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16500 /16485	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 193	Date of Summary: 03-JAN-1991	First Sample Examined: 4550
Lease Number: G12024	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16485
API Well Number: 177154076400	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 4550 - 16500	Water Depth: 120
Public Info Code: Y 21-NOV-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4550 / 4550	DEF AT first sample examined	DEF AT 3
4551 / 4551	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5000 / 5000	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
5720 / 5720	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7730 / 7730	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8060 / 8060	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9380 / 9380	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
10040 /10040	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
10430 /10429	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13190 /13189	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16500 /16485	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 193	Date of Summary: 30-JUL-1991	First Sample Examined: 0
Lease Number: G12024	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13830
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 13830
API Well Number: 177154078300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 28-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 9499	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13400 /13395	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 193  
 Lease Number: G12024  
 Well Name: A001  
 API Well Number: 177154078200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 05-JUN-2001

Date of Summary: 15-JUN-1992  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: NEWFIELD EXPLORATION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13256  
 Borehole TVD: 13253  
 Rkb Elevation: 78  
 Water Depth: 118  
 Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1675 / 1675	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6885 / 6885	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
9325 / 9325	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11465 / 11464	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 193	Date of Summary: 23-APR-1996	First Sample Examined: 0
Lease Number: G12024	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15788
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 13838
API Well Number: 177154084500	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 23-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15200 /13378	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 194	Date of Summary: 18-MAR-1992	First Sample Examined: 0
Lease Number: G05610	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12056
API Well Number: 177154079601	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 115
Public Info Code: Y 21-MAR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11810 /11451	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 194	Date of Summary: 21-AUG-1991	First Sample Examined: 0
Lease Number: G05610	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12020
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 12020
API Well Number: 177154078600	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 115
Public Info Code: Y 18-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11620 /11619	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 196	Date of Summary: 22-JUN-2000	First Sample Examined: 0
Lease Number: G19829	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12096
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 11863
API Well Number: 177154096400	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 107
Public Info Code: Y 13-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7880 / 7879	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9350 / 9345	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
 End Date: 01-DEC-2016

<b>Area Block:</b> ST 198	<b>Date of Summary:</b> 09-FEB-1990	<b>First Sample Examined:</b> 14289
<b>Lease Number:</b> G07769	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15517
<b>Well Name:</b> A006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15005
<b>API Well Number:</b> 177154073400	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14289 - 15240	<b>Water Depth:</b> 129
<b>Public Info Code:</b> Y 16-FEB-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14289 /13777	DEF AT first sample examined	DEF IN 3
15040 /14528	DEF AT - - - - -	DEF AT 4
15240 /14728	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 198	<b>Date of Summary:</b> 13-AUG-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07769	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15517
<b>Well Name:</b> A006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15005
<b>API Well Number:</b> 177154073400	<b>Drilling Operator:</b> ANADARKO E&P COMPANY LP	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 129
<b>Public Info Code:</b> Y 16-FEB-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5165 / 5010	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7715 / 7340	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
7948 / 7556	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11570 / 11059	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 199	Date of Summary: 02-OCT-2001	First Sample Examined: 0
Lease Number: G21671	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9300
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9300
API Well Number: 177154107500	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 128
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5213 / 5213	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7010 / 7010	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 200	Date of Summary: 05-MAY-2003	First Sample Examined: 12500
Lease Number: G04464	Source of Paleo: OPERATOR	Borehole MD: 17878
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 16381
API Well Number: 177154112500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 137
Paleo Report Num: 1 of 1	Sample Range: 12500 - 17850	Water Depth: 132
Public Info Code: Y 13-JUL-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11670	DEF AT first sample examined	DEF AT 3
12030 /11698	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12390 /12038	DEF AT Eggerella sp. (local marker)	DEF AT 3
12450 /12094	DEF AT Eggerella sp. (local marker)	DEF AT 3
12570 /12208	DEF AT local marker foram decrease	DEF AT 3
12690 /12321	DEF AT Eggerella sp. (local marker)	DEF AT 3
12810 /12435	DEF AT local marker foram decrease	DEF AT 3
12930 /12549	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12960 /12577	DEF AT Lower Pliocene (Zanclian) Sigmolilina "P" / cf. schlumbergeri	DEF IN 3
13050 /12662	DEF AT local marker foram decrease	DEF AT 3
13560 /13139	DEF AT Eggerella sp. (local marker)	DEF IN 3
13590 /13167	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13650 /13222	DEF AT faunal change (no faunal increase)	DEF IN 3
13679 /13249	DEF AT pyrite	DEF IN 3
13680 /13250	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
13710 /13277	DEF AT local marker foram increase	DEF IN 3
13770 /13332	DEF AT foram flood	DEF IN 3
13830 /13387	DEF AT local marker foram decrease	DEF AT 3
13980 /13522	POS AT local marker foram increase	DEF AT 3
14190 /13709	POS AT Eggerella sp. (local marker)	DEF AT 3
14730 /14135	DEF AT Eggerella sp. (local marker)	DEF AT 3
15060 /14368	DEF AT Eggerella sp. (local marker)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 200	Date of Summary: 05-MAY-2003	First Sample Examined: 12500
Lease Number: G04464	Source of Paleo: OPERATOR	Borehole MD: 17878
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 16381
API Well Number: 177154112500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 137
Paleo Report Num: 1 of 1	Sample Range: 12500 - 17850	Water Depth: 132
Public Info Code: Y 13-JUL-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15150 /14433	DEF AT local marker foram increase	DEF AT 3
15270 /14520	DEF AT foram flood	DEF AT 3
15420 /14631	DEF AT local marker foram decrease	DEF AT 3
15480 /14675	DEF AT Eggerella sp. (local marker)	DEF AT 3
15540 /14720	DEF AT Arenaceous fauna (local marker)	DEF AT 3
15660 /14809	DEF AT local marker foram increase	DEF IN 3
15780 /14897	DEF AT - - - - -	DEF AT 3
15810 /14919	DEF AT local marker foram decrease	DEF AT 3
15930 /15007	DEF AT Eggerella sp. (local marker)	DEF AT 3
16020 /15072	DEF AT local marker foram decrease	DEF AT 3
16110 /15136	POS AT ash	DEF AT 3
17010 /15775	DEF AT ash	DEF AT 3
17700 /16253	DEF AT - - - - -	DEF IN 3
17730 /16275	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
17850 /16361	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 200	Date of Summary: 15-JAN-2004	First Sample Examined: 12115
Lease Number: G04464	Source of Paleo: OPERATOR	Borehole MD: 19268
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 17484
API Well Number: 177154114500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 12115 - 19250	Water Depth: 134
Public Info Code: Y 25-FEB-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12115 /11112	DEF AT first sample examined	DEF AT 3
12116 /11112	DEF AT -----	DEF AT 3
12300 /11266	DEF AT -----	DEF IN 2
12810 /11698	DEF AT -----	DEF AT 3
12840 /11724	DEF AT -----	DEF IN 2
12869 /11749	DEF AT drilling material	DEF IN 2
12870 /11750	DEF AT local marker benthic foram increase	DEF IN 2
13080 /11931	DEF AT Eggerella sp. (local marker)	DEF IN 2
13440 /12241	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 2
13560 /12343	DEF AT local marker foram decrease	DEF IN 2
13710 /12471	DEF AT Arenaceous fauna (local marker)	DEF IN 2
13830 /12574	DEF AT Eggerella sp. (local marker)	DEF IN 2
13980 /12702	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 2
14100 /12803	DEF AT local marker foram decrease	DEF IN 2
14130 /12829	DEF AT -----	DEF AT 3
14160 /12854	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 3
14220 /12905	DEF AT Eggerella sp. (local marker)	DEF IN 3
14280 /12955	DEF AT local marker foram decrease	DEF IN 3
14310 /12980	DEF AT -----	DEF AT 3
14670 /13285	DEF AT local marker benthic foram increase	DEF IN 3
14760 /13362	DEF AT Eggerella sp. (local marker)	DEF IN 3
14790 /13388	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 200	Date of Summary: 15-JAN-2004	First Sample Examined: 12115
Lease Number: G04464	Source of Paleo: OPERATOR	Borehole MD: 19268
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 17484
API Well Number: 177154114500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 12115 - 19250	Water Depth: 134
Public Info Code: Y 25-FEB-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14850 /13439	DEF AT local marker foram decrease	DEF IN 3
14970 /13542	POS AT Eggerella sp. (local marker)	DEF IN 3
15030 /13593	DEF AT local marker foram decrease	DEF IN 3
15300 /13826	DEF AT Eggerella sp. (local marker)	DEF IN 3
15360 /13878	DEF AT local marker foram decrease	DEF IN 3
15690 /14160	DEF AT Eggerella sp. (local marker)	DEF IN 3
15810 /14263	DEF AT local marker foram decrease	DEF IN 3
15990 /14417	DEF AT Eggerella sp. (local marker)	DEF IN 3
16230 /14622	DEF AT local marker foram increase	DEF AT 3
16350 /14725	DEF AT foram flood	DEF AT 3
16410 /14777	DEF AT - - - - -	DEF IN 2
16690 /15022	DEF AT faunal change (no faunal increase)	DEF IN 2
16750 /15075	DEF AT Arenaceous fauna (local marker)	DEF IN 2
16810 /15127	DEF AT local marker deep water fauna	DEF AT 3
16840 /15154	DEF AT local marker benthic foram increase	DEF AT 3
16990 /15285	DEF AT local marker foram decrease	DEF IN 2
18050 /16274	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
18260 /16481	DEF AT local marker benthic foram increase	DEF IN 3
18410 /16629	DEF AT local marker foram decrease	DEF IN 3
18440 /16658	DEF AT Arenaceous fauna (local marker)	DEF IN 3
18530 /16747	DEF AT Eggerella sp. (local marker)	DEF IN 3
18650 /16867	POS AT Upper Miocene (Tortonian) Textularia 6	DEF IN 3
18800 /17017	DEF AT local marker benthic foram increase	DEF IN 3
18890 /17107	DEF AT - - - - -	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 200	Date of Summary: 15-JAN-2004	First Sample Examined: 12115
Lease Number: G04464	Source of Paleo: OPERATOR	Borehole MD: 19268
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 17484
API Well Number: 177154114500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 12115 - 19250	Water Depth: 134
Public Info Code: Y 25-FEB-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18920 /17137	DEF AT local marker foram decrease	DEF AT 3
19040 /17257	DEF AT drilling material	DEF AT 3
19220 /17436	DEF AT local marker planktic foram increase	DEF IN 3
19250 /17466	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 203	Date of Summary: 29-AUG-1991	First Sample Examined: 4530
Lease Number: G01269	Source of Paleo: OPERATOR	Borehole MD: 14285
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 13660
API Well Number: 177154073500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 4530 - 14285	Water Depth: 145
Public Info Code: Y 13-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4507	DEF AT first sample examined	DEF AT 4
6270 / 6140	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12450 /11921	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
12930 /12375	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
14285 /13660	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 203	<b>Date of Summary:</b> 17-FEB-2004	<b>First Sample Examined:</b> 15462
<b>Lease Number:</b> G01269	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18460
<b>Well Name:</b> 008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18041
<b>API Well Number:</b> 177154114100	<b>Drilling Operator:</b> OFFSHORE ENERGY II LLC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15462 - 18305	<b>Water Depth:</b> 150
<b>Public Info Code:</b> Y 01-MAR-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15460 /15442	DEF AT first sample examined	DEF AT 4
16860 /16744	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
17520 /17279	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
17850 /17552	DEF AT - - - - -	DEF AT 5
17880 /17577	POS AT Cyclammina cancellata (local marker)	DEF AT 4
18305 /17938	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 203	<b>Date of Summary:</b> 17-FEB-2004	<b>First Sample Examined:</b> 15462
<b>Lease Number:</b> G01269	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18460
<b>Well Name:</b> 008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18041
<b>API Well Number:</b> 177154114100	<b>Drilling Operator:</b> OFFSHORE ENERGY II LLC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15462 - 18305	<b>Water Depth:</b> 150
<b>Public Info Code:</b> Y 01-MAR-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15460 /15442	DEF AT first sample examined	DEF AT
16710 /16618	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
17550 /17303	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17850 /17552	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18305 /17938	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 203	Date of Summary: 12-JAN-2001	First Sample Examined: 0
Lease Number: G01269	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14000
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 13159
API Well Number: 177154102600	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 145
Public Info Code: Y 16-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13654 /12835	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 204	<b>Date of Summary:</b> 09-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01572	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10960
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8397
<b>API Well Number:</b> 177154103800	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 145
<b>Public Info Code:</b> Y 20-JAN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9830 / 7619	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 6300=local Sphaeroidinella dehiscens increase, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	POS AT 3
4620 / 4620	DEF AT sample gap top	POS AT 3
4740 / 4740	DEF AT sample gap bottom	POS AT 3
4830 / 4830	DEF AT reworked material	POS AT 3
5400 / 5400	DEF AT faunal change (no faunal increase)	DEF AT 3
5460 / 5460	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5790 / 5790	DEF AT faunal change (no faunal increase)	DEF IN 3
5820 / 5820	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 3
5880 / 5880	DEF AT local marker foram increase	DEF IN 3
5940 / 5940	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
6270 / 6270	DEF AT local marker planktic foram increase	DEF AT 4
6300 / 6300	DEF AT local marker planktic foram increase	DEF AT 4
6420 / 6420	DEF AT faunal change (no faunal increase)	DEF IN 3
6570 / 6570	DEF AT local marker foram increase	DEF IN 3
6810 / 6809	DEF AT faunal change (no faunal increase)	DEF AT 3
6960 / 6959	POS AT unconformity	DEF AT 4
7019 / 7018	DEF AT pyrite	DEF AT 4
7020 / 7019	DEF AT local marker planktic foram increase	DEF AT 4
7050 / 7049	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
7170 / 7169	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
7199 / 7198	POS AT unconformity	DEF AT 4
7200 / 7199	POS AT pyrite	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 204	<b>Date of Summary:</b> 01-JAN-2001	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G16432	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18401
<b>Well Name:</b> B001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18396
<b>API Well Number:</b> 177154098100	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 108
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4500 - 18401	<b>Water Depth:</b> 153
<b>Public Info Code:</b> Y 19-OCT-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7260 / 7259	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
7319 / 7318	DEF AT pyrite	DEF AT 4
7380 / 7379	DEF AT limestone	DEF AT 4
7530 / 7529	DEF AT faunal change (no faunal increase)	DEF IN 3
7679 / 7678	POS AT unconformity	POS AT 4
7680 / 7679	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4
7740 / 7739	DEF AT pyrite	POS AT 4
8220 / 8219	DEF AT faunal change (no faunal increase)	POS AT 3
8340 / 8339	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
8400 / 8399	DEF AT faunal change (no faunal increase)	POS AT 4
8610 / 8609	DEF AT pyrite	POS AT 4
8790 / 8789	DEF AT faunal change (no faunal increase)	POS IN 3
9150 / 9149	DEF AT faunal change (no faunal increase)	POS AT 3
9480 / 9479	DEF AT faunal change (no faunal increase)	POS AT 4
9540 / 9539	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	POS AT 4
9960 / 9959	DEF AT faunal change (no faunal increase)	POS IN 3
10020 /10019	DEF AT pyrite	POS IN 3
10200 /10199	DEF AT sample gap top	POS IN 3
11199 /11198	DEF AT sample gap bottom	DEF IN 3
11200 /11199	DEF AT cement	DEF AT 3
11201 /11200	DEF AT local marker foram increase	DEF AT 3
11230 /11229	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
11259 /11258	DEF AT pyrite	DEF AT 3
11260 /11259	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11350 /11349	DEF AT faunal change (no faunal increase)	DEF IN 2
11410 /11409	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11440 /11439	DEF AT Eggerella sp. (local marker)	DEF IN 2
11469 /11468	DEF AT pyrite	DEF IN 2
11470 /11469	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11500 /11499	DEF AT local marker foram increase	DEF AT 3
11589 /11588	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
11590 /11589	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
12070 /12069	DEF AT faunal change (no faunal increase)	DEF IN 2
12310 /12309	DEF AT pyrite	DEF IN 2
12550 /12549	DEF AT Eggerella sp. (local marker)	DEF IN 2
13420 /13418	DEF AT Cyclammina sp. (local marker)	DEF IN 2
13600 /13598	DEF AT local marker foram increase	DEF IN 2
13659 /13657	DEF AT pyrite	DEF IN 2
13660 /13658	DEF AT reworked material	DEF IN 2
14019 /14017	DEF AT reworked material	POS AT 3
14020 /14018	POS AT Lower Pliocene (Zanclian) Buliminella 1	POS AT 3
14320 /14318	DEF AT Arenaceous fauna (local marker)	POS AT 3
14350 /14348	DEF AT local marker foram increase	POS AT 3
14351 /14349	DEF AT Cyclammina cancellata (local marker)	POS AT 3
14470 /14468	DEF AT Arenaceous fauna (local marker)	POS AT 3
14590 /14587	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	POS AT 3
14650 /14647	DEF AT faunal change (no faunal increase)	DEF IN 3
14680 /14677	DEF AT local marker foram increase	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14770 /14767	DEF AT drilling material	DEF IN 3
14830 /14827	DEF AT faunal change (no faunal increase)	DEF AT 3
15250 /15246	DEF AT Arenaceous fauna (local marker)	DEF AT 3
15400 /15396	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
15490 /15486	DEF AT faunal change (no faunal increase)	POS IN 3
15550 /15546	DEF AT local marker foram increase	POS IN 3
15610 /15606	DEF AT faunal change (no faunal increase)	DEF AT 3
15880 /15876	DEF AT Cyclammina cancellata (local marker)	POS AT 4
16000 /15996	DEF AT local marker foram increase	POS AT 4
16120 /16116	DEF AT faunal change (no faunal increase)	DEF IN 3
16143 /16139	DEF AT cement	DEF AT
16210 /16206	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
16270 /16266	DEF AT local marker foram increase	DEF IN 3
16300 /16296	DEF AT local marker planktic foram increase	DEF AT 4
16330 /16326	DEF AT local marker foram increase	DEF AT 4
16480 /16476	POS AT Cyclammina sp. (local marker)	DEF AT 4
16629 /16625	DEF AT pyrite	DEF AT 4
16630 /16626	DEF AT local marker foram increase	DEF AT 4
16900 /16895	DEF AT faunal change (no faunal increase)	DEF IN 3
17050 /17045	DEF AT reworked material	DEF IN 3
17320 /17315	DEF AT faunal change (no faunal increase)	DEF AT 3
17500 /17495	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
17679 /17674	POS AT reworked material	DEF AT 3
17680 /17675	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18401 /18395	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 2 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 8430=Sphenolithus abies consistent, 8460=Dictyococcites productus increase, 9330=Reticulofenestra pseudoumbilica consistent, 9630=Reticulofenestra pseudoumbilica increase, 16390=Cryptococcolithus takayamae=indicator flora for Discoaster quinquerramus, 16420=Reticulofenestra gelida increase, an indicator flora for Discoaster quinquerramus, below 7682 feet, the nannofossil Preservation is poorer than was observed in the Pleistocene section, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT
4501 / 4501	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5430 / 5430	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
5759 / 5759	POS AT unconformity	DEF AT
5760 / 5760	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5790 / 5790	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
5910 / 5910	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
6420 / 6420	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
6450 / 6450	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6570 / 6570	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
6960 / 6959	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7050 / 7049	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
7051 / 7050	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7350 / 7349	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7620 / 7619	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
7680 / 7679	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
7681 / 7680	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
7682 / 7681	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7710 / 7709	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 2 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8430 / 8429	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
8460 / 8459	DEF AT local marker floral increase	DEF AT
9330 / 9329	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9630 / 9629	DEF AT local marker floral increase	DEF AT
10200 /10199	DEF AT sample gap top	DEF AT
11199 /11198	DEF AT sample gap bottom	DEF AT
11200 /11199	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11201 /11200	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11500 /11499	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14440 /14438	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14860 /14857	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
16390 /16386	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16420 /16416	DEF AT local marker floral increase	DEF AT
16600 /16596	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
17440 /17435	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17770 /17764	POS AT local marker floral increase	DEF AT
18370 /18364	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 204	Date of Summary: 02-JUL-2001	First Sample Examined: 0
Lease Number: G16432	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 19838
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 19109
API Well Number: 177154104401	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 153
Public Info Code: Y 09-MAY-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15584 /15161	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 204	Date of Summary: 22-OCT-2001	First Sample Examined: 0
Lease Number: G16432	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18891
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 18484
API Well Number: 177154105500	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 153
Public Info Code: Y 16-SEP-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15326 /15084	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 205	Date of Summary: 18-JAN-2001	First Sample Examined: 0
Lease Number: G05612	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9978
Well Name: B005	Paleo Done By: OPERATOR	Borehole TVD: 7874
API Well Number: 177154103300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 165
Public Info Code: Y 16-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8360 / 6723	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8750 / 7002	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 205	Date of Summary: 15-DEC-2000	First Sample Examined: 0
Lease Number: G05612	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 19030
Well Name: G001	Paleo Done By: OPERATOR	Borehole TVD: 19008
API Well Number: 177154106700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 153
Public Info Code: Y 08-SEP-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16090 /16084	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 211	<b>Date of Summary:</b> 28-JAN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16435	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12061
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10902
<b>API Well Number:</b> 177164022500	<b>Drilling Operator:</b> IP PETROLEUM COMPANY INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 150
<b>Public Info Code:</b> Y 30-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5750 / 5750	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7180 / 7164	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8400 / 8216	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11464 /10442	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 211	<b>Date of Summary:</b> 02-AUG-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16435	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10692
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10378
<b>API Well Number:</b> 177164022800	<b>Drilling Operator:</b> IP PETROLEUM COMPANY INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 150
<b>Public Info Code:</b> Y 30-JUN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5700 / 5699	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7200 / 7149	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8375 / 8241	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9956 / 9700	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 212	Date of Summary: 18-AUG-1999	First Sample Examined: 0
Lease Number: G14538	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9056
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8376
API Well Number: 177164024500	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 28-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8342 / 7761	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 212	<b>Date of Summary:</b> 20-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14538	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9014
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8200
<b>API Well Number:</b> 177164026400	<b>Drilling Operator:</b> IP PETROLEUM COMPANY INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 140
<b>Public Info Code:</b> Y 16-FEB-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8540 / 7776	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 212	Date of Summary: 11-MAR-2003	First Sample Examined: 17927
Lease Number: G14538	Source of Paleo: OPERATOR	Borehole MD: 19730
Well Name: C001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19724
API Well Number: 177164030800	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 17927 - 19730	Water Depth: 140
Public Info Code: Y 20-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17927 /17923	DEF AT first sample examined	DEF AT 3
19130 /19123	DEF AT - - - - -	DEF AT 4
19220 /19213	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19730 /19722	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 213	Date of Summary: 20-JAN-2001	First Sample Examined: 0
Lease Number: G18055	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8030
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8030
API Well Number: 177164026500	Drilling Operator: LLOG EXPLORATION & PRODUCTION COMPANY, L.L.C.	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 03-SEP-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5600	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7377 / 7377	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 214	Date of Summary: 04-MAR-1997	First Sample Examined: 1020
Lease Number: G16436	Source of Paleo: OPERATOR	Borehole MD: 16000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15991
API Well Number: 177164021900	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 1020 - 16000	Water Depth: 129
Public Info Code: Y 21-JAN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1020 / 1020	DEF AT first sample examined	DEF AT 2
2670 / 2670	DEF AT -----	DEF AT 3
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4260 / 4260	DEF AT -----	DEF AT 4
4890 / 4890	DEF AT -----	DEF AT 3
5310 / 5310	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
6000 / 6000	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6780 / 6779	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7560 / 7559	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9000 / 8999	DEF AT -----	DEF AT 4
9660 / 9659	DEF AT -----	DEF AT 3
9960 / 9959	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
10620 /10619	DEF AT -----	DEF AT 4
15710 /15705	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
16000 /15991	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 217	Date of Summary: 16-APR-1998	First Sample Examined: 800
Lease Number: G13937	Source of Paleo: OPERATOR	Borehole MD: 8700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8700
API Well Number: 177164023600	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 800 - 8700	Water Depth: 144
Public Info Code: Y 28-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
800 / 800	DEF AT first sample examined	DEF AT 2
1730 / 1730	DEF AT faunal change (no faunal increase)	DEF AT 3
3830 / 3830	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4700 / 4700	DEF AT faunal change (no faunal increase)	DEF AT 4
5420 / 5420	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
5900 / 5900	DEF AT faunal change (no faunal increase)	DEF AT 5
6470 / 6470	DEF AT faunal change (no faunal increase)	DEF AT 4
6680 / 6680	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
7550 / 7550	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
7610 / 7610	DEF AT faunal change (no faunal increase)	DEF AT 5
7640 / 7640	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7760 / 7760	DEF AT faunal change (no faunal increase)	DEF AT 4
8700 / 8700	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 217	<b>Date of Summary:</b> 16-APR-1998	<b>First Sample Examined:</b> 4010
<b>Lease Number:</b> G13937	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8700
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8700
<b>API Well Number:</b> 177164023600	<b>Drilling Operator:</b> ENI PETROLEUM CO INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4010 - 8700	<b>Water Depth:</b> 144
<b>Public Info Code:</b> Y 28-APR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4010 / 4010	DEF AT first sample examined	DEF AT
4760 / 4760	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5000 / 5000	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5900 / 5900	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6410 / 6410	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
7070 / 7070	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7550 / 7550	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7610 / 7610	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8700 / 8700	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 218	Date of Summary: 02-FEB-1999	First Sample Examined: 0
Lease Number: G19830	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8400
API Well Number: 177164024400	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 149
Public Info Code: Y 31-MAY-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7732 / 7732	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 220	Date of Summary: 10-OCT-1997	First Sample Examined: 4990
Lease Number: G14539	Source of Paleo: OPERATOR	Borehole MD: 14582
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 12490
API Well Number: 177164023000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 4990 - 14560	Water Depth: 154
Public Info Code: Y 08-MAR-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 11500=recrystallized pelletoid-oid packstone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4990 / 4547	DEF AT first sample examined	DEF AT 1
4991 / 4548	DEF AT reworked material	DEF AT 1
5830 / 5207	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
6730 / 5926	DEF AT local marker foram increase	DEF AT 4
7150 / 6262	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
7450 / 6503	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
7480 / 6528	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 4
8080 / 7020	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9490 / 8229	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
10900 / 9400	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11110 / 9566	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11170 / 9614	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11440 / 9832	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11500 / 9881	DEF AT oolites	DEF AT 5
12910 / 11052	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
12970 / 11103	DEF AT drilling material	POS AT 5
14560 / 12471	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 225	Date of Summary: 17-MAR-2000	First Sample Examined: 4000
Lease Number: G05224	Source of Paleo: OPERATOR	Borehole MD: 9303
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9303
API Well Number: 177164026300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4000 - 7000	Water Depth: 179
Public Info Code: Y 27-JAN-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3998	DEF AT first sample examined	DEF AT 3
4480 / 4478	DEF AT -----	DEF AT 4
5770 / 5768	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
5950 / 5947	DEF AT -----	DEF AT 5
6220 / 6216	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6490 / 6485	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6520 / 6515	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
6820 / 6815	DEF AT -----	DEF AT 4
7000 / 6995	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 225	Date of Summary: 17-MAR-2000	First Sample Examined: 4000
Lease Number: G05224	Source of Paleo: OPERATOR	Borehole MD: 9303
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9303
API Well Number: 177164026300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 4000 - 7000	Water Depth: 179
Public Info Code: Y 27-JAN-2003	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3998	DEF AT first sample examined	DEF AT
4480 / 4478	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5768 / 5766	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5769 / 5767	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5770 / 5768	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5950 / 5947	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6219 / 6215	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6220 / 6216	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6610 / 6605	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
7000 / 6995	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 225	Date of Summary: 17-MAR-2000	First Sample Examined: 5770
Lease Number: G05224	Source of Paleo: OPERATOR	Borehole MD: 9700
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9700
API Well Number: 177164026301	Drilling Operator: HESS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 5770 - 9300	Water Depth: 177
Public Info Code: Y 27-JAN-2003	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5770 /	DEF AT first sample examined	DEF AT
5771 /	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5950 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6250 /	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6580 /	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
7750 /	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8530 /	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9300 /	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 225	Date of Summary: 17-MAR-2000	First Sample Examined: 5770
Lease Number: G05224	Source of Paleo: OPERATOR	Borehole MD: 9700
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9700
API Well Number: 177164026301	Drilling Operator: HESS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 5770 - 9300	Water Depth: 177
Public Info Code: Y 27-JAN-2003	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5770 /	DEF AT first sample examined	DEF IN 5
5771 /	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "B")	DEF IN 5
5920 /	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
5980 /	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
6190 /	DEF AT faunal change (no faunal increase)	DEF AT 5
6219 /	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
6220 /	DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF AT 5
6490 /	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 5
6520 /	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
6610 /	DEF AT faunal change (no faunal increase)	DEF AT 4
8740 /	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
9100 /	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
9130 /	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
9300 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 228	Date of Summary: 11-SEP-1996	First Sample Examined: 4381
Lease Number: G10836	Source of Paleo: OPERATOR	Borehole MD: 19631
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17768
API Well Number: 177164021500	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 2	Sample Range: 4381 - 19590	Water Depth: 235
Public Info Code: Y 15-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4381 / 4381	DEF AT first sample examined	POS AT 3
4382 / 4382	DEF AT cement	POS AT 3
4550 / 4550	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
4850 / 4850	DEF AT - - - - -	DEF AT 4
5480 / 5479	DEF AT - - - - -	DEF IN 5
5510 / 5509	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5870 / 5869	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6440 / 6439	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6620 / 6619	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
6650 / 6649	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6770 / 6769	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5
9170 / 9080	DEF AT - - - - -	DEF AT 6
9320 / 9209	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10250 / 9961	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
12230 /11491	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12380 /11613	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13820 /12880	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
17480 /16011	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
19160 /17386	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
19340 /17532	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
19590 /17734	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 228	Date of Summary: 11-SEP-1996	First Sample Examined: 4381
Lease Number: G10836	Source of Paleo: OPERATOR	Borehole MD: 19631
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17768
API Well Number: 177164021500	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 4381 - 19590	Water Depth: 235
Public Info Code: Y 15-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4381 / 4381	DEF AT first sample examined	DEF AT
4850 / 4850	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5510 / 5509	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5930 / 5929	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6440 / 6439	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6620 / 6619	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8000 / 7992	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9380 / 9260	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10220 / 9938	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12170 /11443	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12770 /11948	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14690 /13651	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15020 /13934	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15050 /13960	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15860 /14645	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17300 /15863	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18200 /16596	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18980 /17240	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18988 /17247	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
19030 /17281	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19260 /17467	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
19419 /17596	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 228	<b>Date of Summary:</b> 11-SEP-1996	<b>First Sample Examined:</b> 4381
<b>Lease Number:</b> G10836	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19631
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17768
<b>API Well Number:</b> 177164021500	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4381 - 19590	<b>Water Depth:</b> 235
<b>Public Info Code:</b> Y 15-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19590 /17734	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 228	<b>Date of Summary:</b> 11-SEP-1996	<b>First Sample Examined:</b> 15517
<b>Lease Number:</b> G10836	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21021
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19610
<b>API Well Number:</b> 177164021501	<b>Drilling Operator:</b> LOUISIANA LAND AND EXPLORATION COMPANY	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15517 - 20940	<b>Water Depth:</b> 230
<b>Public Info Code:</b> Y 18-APR-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15517 /14355	DEF AT first sample examined	DEF AT 6
18320 /16947	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
19730 /18333	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20090 /18689	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
20330 /18927	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
20940 /19530	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 228	Date of Summary: 11-SEP-1996	First Sample Examined: 15517
Lease Number: G10836	Source of Paleo: OPERATOR	Borehole MD: 21021
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19610
API Well Number: 177164021501	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 15517 - 20940	Water Depth: 230
Public Info Code: Y 18-APR-2006	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15517 /14355	DEF AT first sample examined	DEF AT
15860 /14656	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17450 /16117	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18530 /17151	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19370 /17977	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19730 /18333	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19940 /18541	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20000 /18600	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20120 /18719	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
20420 /19016	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20510 /19105	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20600 /19194	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
20940 /19530	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 237	Date of Summary: 13-JAN-1998	First Sample Examined: 5000
Lease Number: G15328	Source of Paleo: OPERATOR	Borehole MD: 16105
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16101
API Well Number: 177164023100	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5000 - 16100	Water Depth: 170
Public Info Code: Y 31-JUL-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 4
5540 / 5540	DEF AT local marker foram increase	DEF AT 4
5840 / 5840	DEF AT sample gap top	POS AT 4
6409 / 6409	DEF AT sample gap bottom	DEF AT 4
6410 / 6410	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6620 / 6620	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
6650 / 6650	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
7100 / 7100	DEF AT sample gap top	POS AT 4
7400 / 7400	DEF AT sample gap bottom	DEF AT 4
7970 / 7970	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
8000 / 8000	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
8150 / 8150	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8480 / 8479	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9350 / 9349	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9380 / 9379	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF AT 5
9470 / 9469	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 5
9590 / 9589	DEF AT local marker foram decrease	DEF IN 5
9679 / 9678	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9680 / 9679	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9798 / 9797	DEF AT pyrite	DEF IN 5
9799 / 9798	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
9800 / 9799	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 237	<b>Date of Summary:</b> 13-JAN-1998	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G15328	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16105
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16101
<b>API Well Number:</b> 177164023100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5000 - 16100	<b>Water Depth:</b> 170
<b>Public Info Code:</b> Y 31-JUL-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 /10099	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10220 /10219	DEF AT Cyclamina cancellata (local marker)	DEF IN 5
11180 /11179	DEF AT faunal change (no faunal increase)	DEF AT 5
12200 /12198	DEF AT faunal change (no faunal increase)	DEF AT 4
15200 /15197	DEF AT sample gap top	POS AT 4
15800 /15797	DEF AT sample gap bottom	DEF AT 4
16040 /16037	DEF AT sample gap top	POS AT 4
16099 /16096	DEF AT sample gap bottom	DEF AT 4
16100 /16097	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 239	<b>Date of Summary:</b> 05-JUL-2002	<b>First Sample Examined:</b> 15000
<b>Lease Number:</b> G22754	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23607
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23601
<b>API Well Number:</b> 177164029800	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15000 - 23520	<b>Water Depth:</b> 174
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Fergana Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14998	DEF AT first sample examined	DEF AT
15001 /14999	DEF AT turbid water facies	DEF AT
15090 /15088	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
15450 /15448	DEF AT faunal change (no faunal increase)	DEF IN 2
15480 /15478	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
15810 /15808	DEF AT local marker foram increase	DEF AT 3
15870 /15868	DEF AT local marker foram increase	DEF AT 3
16020 /16017	DEF AT faunal change (no faunal increase)	DEF IN 2
16110 /16107	DEF AT local marker foram increase	DEF IN 3
16170 /16167	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 3
16410 /16407	DEF AT faunal change (no faunal increase)	DEF AT 3
16500 /16497	DEF AT Arenaceous fauna (local marker)	DEF AT 3
16650 /16647	DEF AT turbid water facies	DEF AT 3
16740 /16737	DEF AT Arenaceous fauna (local marker)	POS AT 3
16770 /16767	DEF AT faunal change (no faunal increase)	DEF IN 3
16860 /16857	DEF AT drilling material	DEF IN 3
16890 /16887	DEF AT faunal change (no faunal increase)	DEF AT 3
17010 /17007	DEF AT turbid water facies	POS AT 3
17100 /17097	DEF AT turbid water facies	POS AT 3
17160 /17157	DEF AT faunal change (no faunal increase)	DEF AT 3
17190 /17187	DEF AT turbid water facies	POS AT 3
17200 /17197	DEF AT faunal change (no faunal increase)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 239	<b>Date of Summary:</b> 05-JUL-2002	<b>First Sample Examined:</b> 15000
<b>Lease Number:</b> G22754	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23607
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23601
<b>API Well Number:</b> 177164029800	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15000 - 23520	<b>Water Depth:</b> 174
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17210 /17207	DEF AT faunal change (no faunal increase)	DEF AT 3
17240 /17237	DEF AT turbid water facies	POS AT 3
17400 /17397	DEF AT turbid water facies	POS AT 3
17430 /17427	DEF AT Arenaceous fauna (local marker)	DEF AT 3
17460 /17457	DEF AT faunal change (no faunal increase)	DEF AT 3
17490 /17487	DEF AT turbid water facies	POS AT 3
17520 /17517	DEF AT faunal change (no faunal increase)	DEF AT 3
17610 /17607	DEF AT turbid water facies	POS AT 3
17640 /17637	DEF AT faunal change (no faunal increase)	DEF AT 3
17650 /17647	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
17830 /17827	DEF AT turbid water facies	POS AT 3
17880 /17877	DEF AT faunal change (no faunal increase)	DEF IN 3
17940 /17937	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
17970 /17967	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
18030 /18027	DEF AT faunal change (no faunal increase)	DEF AT 4
18060 /18057	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
18090 /18087	DEF AT faunal change (no faunal increase)	DEF AT 4
18120 /18117	DEF AT faunal change (no faunal increase)	DEF AT 3
18210 /18207	DEF AT faunal change (no faunal increase)	DEF AT 4
18240 /18237	DEF AT faunal change (no faunal increase)	DEF AT 3
18360 /18357	DEF AT local marker foram increase	DEF AT 5
18390 /18386	DEF AT faunal change (no faunal increase)	DEF AT 4
18420 /18416	DEF AT faunal change (no faunal increase)	DEF AT 3
18450 /18446	DEF AT turbid water facies	POS AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 239	Date of Summary: 05-JUL-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18540 /18536	DEF AT faunal change (no faunal increase)	DEF AT 3
18600 /18596	DEF AT local marker foram increase	DEF AT 4
18660 /18656	DEF AT faunal change (no faunal increase)	DEF AT 3
18690 /18686	DEF AT local marker foram increase	DEF AT 4
18750 /18746	DEF AT turbid water facies	POS AT 4
18780 /18776	DEF AT faunal change (no faunal increase)	DEF AT 3
18810 /18806	DEF AT local marker foram increase	DEF AT 3
18900 /18896	DEF AT turbid water facies	POS AT 3
18930 /18926	DEF AT out-of-place section	DEF AT 3
19050 /19046	DEF IN Upper Miocene (Tortonian) Globorotalia languaensis	DEF IN 2
19200 /19195	DEF AT faunal change (no faunal increase)	DEF AT 3
19620 /19615	DEF AT faunal change (no faunal increase)	DEF AT 4
19680 /19675	DEF AT local marker foram increase	DEF AT 4
19710 /19705	DEF AT faunal change (no faunal increase)	DEF AT 4
19740 /19735	DEF AT foram flood	DEF AT 5
19830 /19825	DEF AT faunal change (no faunal increase)	DEF AT 5
19860 /19855	DEF AT faunal change (no faunal increase)	DEF AT 4
19890 /19885	DEF AT faunal change (no faunal increase)	DEF AT 3
20040 /20035	DEF AT local marker foram increase	DEF AT 4
20070 /20065	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
20130 /20125	DEF AT sample gap top	DEF AT 3
20160 /20155	DEF AT sample gap bottom	DEF AT 3
20280 /20275	DEF AT faunal change (no faunal increase)	DEF AT 4
20310 /20305	DEF AT local marker foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 239	Date of Summary: 05-JUL-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20340 /20335	DEF AT faunal change (no faunal increase)	DEF AT 4
20400 /20395	DEF AT faunal change (no faunal increase)	DEF AT 3
20430 /20425	DEF AT faunal change (no faunal increase)	DEF AT 4
20550 /20545	DEF AT faunal change (no faunal increase)	DEF AT 3
20610 /20605	DEF AT foram flood	DEF AT 4
20640 /20635	DEF AT faunal change (no faunal increase)	DEF AT 3
20730 /20725	DEF AT faunal change (no faunal increase)	DEF AT 4
20850 /20845	DEF AT local marker foram increase	DEF AT 4
21090 /21085	DEF AT foram flood	DEF AT 5
21120 /21115	DEF AT faunal change (no faunal increase)	DEF AT 4
21240 /21235	DEF AT local marker (general)	DEF IN 4
21330 /21325	DEF AT foram flood	DEF IN 4
21419 /21414	POS AT reworked material	DEF IN 4
21420 /21415	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
21480 /21475	DEF AT faunal change (no faunal increase)	DEF IN 4
21750 /21745	DEF AT faunal change (no faunal increase)	DEF AT 4
21960 /21955	DEF AT turbid water facies	POS AT 4
21990 /21985	DEF AT faunal change (no faunal increase)	DEF AT 3
22050 /22045	DEF AT faunal change (no faunal increase)	DEF AT 3
22469 /22464	POS AT reworked material	DEF AT 3
22470 /22465	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
22710 /22705	DEF AT local marker foram increase	DEF AT 4
22740 /22735	DEF AT faunal change (no faunal increase)	DEF AT 4
22830 /22825	DEF AT faunal change (no faunal increase)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 239	<b>Date of Summary:</b> 05-JUL-2002	<b>First Sample Examined:</b> 15000
<b>Lease Number:</b> G22754	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23607
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 23601
<b>API Well Number:</b> 177164029800	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15000 - 23520	<b>Water Depth:</b> 174
<b>Public Info Code:</b> Y 31-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22860 /22855	DEF AT faunal change (no faunal increase)	DEF AT 4
22890 /22885	DEF AT local marker foram increase	DEF AT 5
22891 /22886	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
22919 /22914	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
22920 /22915	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
23010 /23005	DEF AT faunal change (no faunal increase)	DEF AT 4
23400 /23395	DEF AT foram flood	DEF AT 4
23520 /23515	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 239	Date of Summary: 01-OCT-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Fergana Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14998	DEF AT first sample examined	DEF AT
15090 /15088	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15480 /15478	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
15690 /15688	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
16170 /16167	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
17200 /17197	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
18720 /18716	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18840 /18836	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18930 /18926	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19380 /19375	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19620 /19615	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20760 /20755	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21330 /21325	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21450 /21445	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21630 /21625	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22770 /22765	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23520 /23515	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 242	Date of Summary: 15-JUL-2005	First Sample Examined: 6700
Lease Number: G23933	Source of Paleo: OPERATOR	Borehole MD: 18110
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18100
API Well Number: 177164033000	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 2	Sample Range: 6700 - 18110	Water Depth: 171
Public Info Code: Y 18-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6700 / 6699	DEF AT first sample examined	DEF AT 4
6790 / 6789	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
7179 / 7178	POS AT maximum flooding surface	DEF AT 5
7180 / 7179	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7420 / 7419	DEF AT - - - - -	DEF AT 4
7989 / 7988	DEF AT maximum flooding surface	DEF AT 5
7990 / 7989	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8469 / 8468	DEF AT pyrite	DEF AT 5
8470 / 8469	POS AT maximum flooding surface	DEF AT 5
9369 / 9368	POS AT maximum flooding surface	DEF AT 5
9370 / 9369	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9490 / 9489	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9670 / 9669	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9880 / 9879	POS AT maximum flooding surface	DEF AT 5
10780 /10779	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11230 /11229	POS AT maximum flooding surface	DEF AT 5
11260 /11259	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
12220 /12218	POS AT maximum flooding surface	DEF AT 5
12460 /12458	DEF AT - - - - -	DEF AT 4
12880 /12878	DEF AT - - - - -	DEF AT 5
15458 /15454	POS AT unconformity	DEF AT 6
15459 /15455	POS AT maximum flooding surface	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 242	<b>Date of Summary:</b> 15-JUL-2005	<b>First Sample Examined:</b> 6700
<b>Lease Number:</b> G23933	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18110
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18100
<b>API Well Number:</b> 177164033000	<b>Drilling Operator:</b> HUNT OIL COMPANY	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6700 - 18110	<b>Water Depth:</b> 171
<b>Public Info Code:</b> Y 18-JUL-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15460 /15456	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
16390 /16385	DEF AT - - - - -	DEF AT 5
16870 /16864	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
17020 /17014	POS AT maximum flooding surface	DEF AT 6
18110 /18100	DEF AT last sample examined	DEF AT 6



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 242	Date of Summary: 15-JUL-2005	First Sample Examined: 12500
Lease Number: G23933	Source of Paleo: OPERATOR	Borehole MD: 18110
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18100
API Well Number: 177164033000	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 90
Paleo Report Num: 2 of 2	Sample Range: 12500 - 18110	Water Depth: 171
Public Info Code: Y 18-JUL-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12500 /12498	DEF AT first sample examined	DEF AT
12501 /12499	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13030 /13028	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13930 /13928	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15430 /15426	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15459 /15455	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15460 /15456	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17020 /17014	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 250	Date of Summary: 07-SEP-2000	First Sample Examined: 0
Lease Number: G15336	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5500
API Well Number: 177164026700	Drilling Operator: CHIEFTAIN INTERNATIONAL US INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 180
Public Info Code: Y 31-MAR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4835 / 4835	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 252	Date of Summary: 08-DEC-1995	First Sample Examined: 0
Lease Number: G10842	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8960
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8606
API Well Number: 177164019800	Drilling Operator: DALEN RESOURCES OIL & GAS CO	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 197
Public Info Code: Y 22-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6790 / 6777	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7750 / 7598	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8470 / 8196	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8620 / 8321	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 252	Date of Summary: 08-MAY-1998	First Sample Examined: 0
Lease Number: G12978	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9791
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8600
API Well Number: 177164020600	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 196
Public Info Code: Y 23-DEC-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7710 / 6734	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8710 / 7623	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9420 / 8262	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9530 / 8362	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> ST 260	<b>Date of Summary:</b> 17-MAR-1994	<b>First Sample Examined:</b> 3990
<b>Lease Number:</b> G12037	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16611
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16571
<b>API Well Number:</b> 177164019700	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 3990 - 16290	<b>Water Depth:</b> 295
<b>Public Info Code:</b> Y 09-NOV-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3990 / 3990	DEF AT first sample examined	DEF AT
6420 / 6420	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8008 / 8007	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8009 / 8008	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8010 / 8009	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyrei	DEF AT
8250 / 8249	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9028 / 9027	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9029 / 9028	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9030 / 9029	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9089 / 9088	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9090 / 9089	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9150 / 9149	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9810 / 9809	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9870 / 9869	DEF AT salt	DEF AT
11669 /11667	DEF AT base of salt	DEF AT
11670 /11668	DEF AT out-of-place section	DEF AT
12020 /12017	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13200 /13193	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14280 /14261	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
14340 /14321	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16260 /16223	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16290 /16253	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 260	Date of Summary: 18-MAR-1994	First Sample Examined: 3990
Lease Number: G12037	Source of Paleo: OPERATOR	Borehole MD: 16611
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16571
API Well Number: 177164019700	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 89
Paleo Report Num: 2 of 4	Sample Range: 3990 - 16290	Water Depth: 295
Public Info Code: Y 09-NOV-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3990 / 3990	DEF AT first sample examined	DEF AT 5
4470 / 4470	DEF AT local marker benthic foram increase	DEF AT 4
6450 / 6450	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7980 / 7979	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
8010 / 8009	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8160 / 8159	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
9028 / 9027	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
9029 / 9028	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9030 / 9029	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 5
9060 / 9059	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9240 / 9239	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
9390 / 9389	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
9420 / 9419	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9780 / 9779	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
9870 / 9869	DEF IN salt	DEF AT 6
11670 /11668	DEF AT base of salt	DEF AT 6
11729 /11727	POS AT out-of-place section	DEF AT 6
11730 /11728	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
11940 /11938	DEF AT anhydrite	DEF AT 6
12370 /12367	DEF AT sample gap top	POS AT 6
12490 /12487	DEF AT sample gap bottom	DEF AT 6
12520 /12517	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 260	Date of Summary: 18-MAR-1994	First Sample Examined: 3990
Lease Number: G12037	Source of Paleo: OPERATOR	Borehole MD: 16611
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16571
API Well Number: 177164019700	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 89
Paleo Report Num: 2 of 4	Sample Range: 3990 - 16290	Water Depth: 295
Public Info Code: Y 09-NOV-2003	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16290 /16253	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 260	Date of Summary: 12-APR-1994	First Sample Examined: 12777
Lease Number: G12037	Source of Paleo: OPERATOR	Borehole MD: 16611
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16571
API Well Number: 177164019700	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 89
Paleo Report Num: 3 of 4	Sample Range: 12777 - 16610	Water Depth: 295
Public Info Code: Y 09-NOV-2003	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12777 /12774	DEF AT first sample examined	POS AT 6
12820 /12816	DEF AT Arenaceous fauna (local marker)	POS AT 6
12970 /12966	DEF AT Eggerella sp. (local marker)	POS AT 6
13089 /13083	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 6
13090 /13084	DEF IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 6
13150 /13144	DEF AT Eggerella sp. (local marker)	DEF AT 6
13240 /13233	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
13450 /13440	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
13600 /13589	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 6
13690 /13678	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
16610 /16570	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 260	Date of Summary: 18-APR-1994	First Sample Examined: 12777
Lease Number: G12037	Source of Paleo: OPERATOR	Borehole MD: 16611
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16571
API Well Number: 177164019700	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 89
Paleo Report Num: 4 of 4	Sample Range: 12777 - 16610	Water Depth: 295
Public Info Code: Y 09-NOV-2003	Ecozone Eq MMS:	Paleo ID: 004

**Remark:** Calcareous nannofossil report for sidetrack, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12777 /12774	DEF AT first sample examined	DEF AT
13120 /13114	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14181 /14164	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
14380 /14360	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15880 /15847	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16610 /16570	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 264	<b>Date of Summary:</b> 12-OCT-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19832	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13870
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13030
<b>API Well Number:</b> 177164025400	<b>Drilling Operator:</b> TANA OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 214
<b>Public Info Code:</b> Y 20-SEP-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8190 / 8050	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 265	Date of Summary: 15-APR-1996	First Sample Examined: 0
Lease Number: G12980	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16781
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 16750
API Well Number: 177164020200	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 195
Public Info Code: Y 11-DEC-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15300 /15291	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 265	<b>Date of Summary:</b> 06-MAR-1996	<b>First Sample Examined:</b> 14490
<b>Lease Number:</b> G15338	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16875
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16600
<b>API Well Number:</b> 177164021100	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14490 - 16875	<b>Water Depth:</b> 198
<b>Public Info Code:</b> Y 02-MAR-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14490 /14412	DEF AT first sample examined	POS AT 5
14491 /14413	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 5
15990 /15760	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS AT 5
16875 /16600	DEF AT last sample examined	POS AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 265	<b>Date of Summary:</b> 06-MAR-1996	<b>First Sample Examined:</b> 15210
<b>Lease Number:</b> G15338	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16875
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16600
<b>API Well Number:</b> 177164021100	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15210 - 16785	<b>Water Depth:</b> 198
<b>Public Info Code:</b> Y 02-MAR-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15210 /15048	DEF AT first sample examined	DEF AT
15211 /15049	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
16875 /16600	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 265	Date of Summary: 06-MAR-1996	First Sample Examined: 13877
Lease Number: G15338	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16449
API Well Number: 177164021101	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 98
Paleo Report Num: 1 of 2	Sample Range: 13877 - 16782	Water Depth: 198
Public Info Code: Y 02-MAR-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13877 /13848	DEF AT first sample examined	DEF AT 4
13878 /13848	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15830 /15704	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15860 /15733	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
16782 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 265	<b>Date of Summary:</b> 06-MAR-1996	<b>First Sample Examined:</b> 13877
<b>Lease Number:</b> G15338	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16600
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16449
<b>API Well Number:</b> 177164021101	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13877 - 16782	<b>Water Depth:</b> 198
<b>Public Info Code:</b> Y 02-MAR-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13877 /13848	DEF AT first sample examined	DEF AT
13878 /13848	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14060 /14022	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16782 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 274	<b>Date of Summary:</b> 23-MAY-2002	<b>First Sample Examined:</b> 9000
<b>Lease Number:</b> G19835	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14267
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13008
<b>API Well Number:</b> 177164029400	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 127
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9000 - 14267	<b>Water Depth:</b> 265
<b>Public Info Code:</b> Y 08-FEB-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 9000	DEF AT first sample examined	DEF AT 5
9420 / 9420	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9480 / 9480	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9600 / 9599	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10890 /10840	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
11880 /11595	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12570 /11997	DEF AT -----	DEF AT 4
14267 /13009	DEF AT last sample examined	DEF AT 4



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 275	Date of Summary: 20-AUG-1990	First Sample Examined: 1500
Lease Number: G07780	Source of Paleo: OPERATOR	Borehole MD: 12745
Well Name: 003	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12156
API Well Number: 177164016400	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 1500 - 12740	Water Depth: 240
Public Info Code: Y 04-SEP-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1500 / 1500	DEF AT first sample examined	DEF AT 4
1501 / 1501	DEF AT cement	DEF AT 4
2160 / 2160	DEF AT -----	DEF AT 2
3810 / 3810	DEF AT -----	DEF AT 4
5100 / 5100	DEF AT -----	DEF AT 5
5130 / 5130	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5700 / 5700	DEF AT -----	DEF AT 4
6749 / 6749	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7050 / 7049	DEF AT -----	DEF AT 4
7890 / 7889	DEF AT -----	DEF AT 5
7920 / 7919	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7950 / 7949	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
8940 / 8939	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8969 / 8968	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
8970 / 8969	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
9089 / 9088	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
9090 / 9089	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9360 / 9359	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10830 /10665	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
10950 /10759	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
12740 /12200	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 275	Date of Summary: 20-DEC-1991	First Sample Examined: 0
Lease Number: G07780	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12748
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 12424
API Well Number: 177164017300	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 240
Public Info Code: Y 16-DEC-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5130 / 5125	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
6780 / 6699	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT
8220 / 8071	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT
9240 / 9044	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9330 / 9129	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 277	Date of Summary: 23-DEC-1992	First Sample Examined: 0
Lease Number: G10853	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7250
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7250
API Well Number: 177164018700	Drilling Operator: GENERAL ATLANTIC ENERGY CORP	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 227
Public Info Code: Y 29-NOV-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6679 / 6679	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 277	Date of Summary: 20-OCT-1995	First Sample Examined: 0
Lease Number: G10853	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7100
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7064
API Well Number: 177164018800	Drilling Operator: GENERAL ATLANTIC ENERGY CORP	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 227
Public Info Code: Y 02-JAN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6705 / 6670	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 277	Date of Summary: 06-JAN-1995	First Sample Examined: 0
Lease Number: G10853	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8830
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7135
API Well Number: 177164019600	Drilling Operator: GENERAL ATLANTIC ENERGY CORP	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 227
Public Info Code: Y 12-DEC-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7388 / 6013	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
8250 / 6671	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 285	Date of Summary: 16-JUL-2014	First Sample Examined: 7980
Lease Number: G32224	Source of Paleo: OPERATOR	Borehole MD: 17044
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16600
API Well Number: 177164035701	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 7980 - 17044	Water Depth: 375
Public Info Code: Y 26-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7978	DEF AT first sample examined	DEF IN 5
7981 / 7979	DEF IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
7982 / 7980	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8100 / 8098	DEF AT - - - - -	DEF AT 5
8578 / 8576	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
8579 / 8577	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
8580 / 8578	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9180 / 9178	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
9630 / 9628	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
9750 / 9748	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
9810 / 9808	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
9840 / 9838	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
11160 / 11155	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
11459 / 11450	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT 5
11460 / 11451	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
13350 / 13213	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
13650 / 13488	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
13800 / 13625	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
15540 / 15221	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
15570 / 15249	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 5
15750 / 15414	DEF AT - - - - -	DEF AT 4
15810 / 15469	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 285  
 Lease Number: G32224  
 Well Name: 001  
 API Well Number: 177164035701  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 26-AUG-2014

Date of Summary: 16-JUL-2014  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: WALTER OIL & GAS CORPORATION  
 Sample Range: 7980 - 17044  
 Ecozone Eq MMS: Y

First Sample Examined: 7980  
 Borehole MD: 17044  
 Borehole TVD: 16600  
 Rkb Elevation: 129  
 Water Depth: 375  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16380 /15992	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
16559 /16156	DEF AT condensed section	DEF AT 4
16560 /16157	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
17044 /16600	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 287	Date of Summary: 08-JUL-1998	First Sample Examined: 2860
Lease Number: G15343	Source of Paleo: OPERATOR	Borehole MD: 14676
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14675
API Well Number: 177164023800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 2860 - 14850	Water Depth: 472
Public Info Code: Y 19-FEB-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2860 / 2860	DEF AT first sample examined	DEF AT 4
5020 / 5020	DEF AT -----	DEF AT 5
5200 / 5200	DEF AT -----	DEF IN 5
5590 / 5590	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
5800 / 5800	DEF AT -----	DEF AT 5
8170 / 8170	DEF AT sample gap top	POS AT 5
8230 / 8230	DEF AT sample gap bottom	DEF AT 5
8410 / 8410	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
8620 / 8620	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8800 / 8800	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9400 / 9400	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9820 / 9820	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10960 /10960	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11530 /11530	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13500 /13499	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
13830 /13829	DEF AT -----	DEF AT 5
14850 /	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 287	Date of Summary: 08-JUL-1998	First Sample Examined: 2860
Lease Number: G15343	Source of Paleo: OPERATOR	Borehole MD: 14676
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14675
API Well Number: 177164023800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 2860 - 14850	Water Depth: 472
Public Info Code: Y 19-FEB-2002	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2860 / 2860	DEF AT first sample examined	DEF AT
5200 / 5200	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6790 / 6790	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7660 / 7660	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8620 / 8620	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8800 / 8800	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8920 / 8920	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9250 / 9250	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9850 / 9850	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10060 /10060	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11050 /11050	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11560 /11560	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12810 /12809	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13890 /13889	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13950 /13949	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
14130 /14129	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14850 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 291	<b>Date of Summary:</b> 03-DEC-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16454	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15830
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12860
<b>API Well Number:</b> 177164021800	<b>Drilling Operator:</b> CAIRN ENERGY USA LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 390
<b>Public Info Code:</b> Y 14-DEC-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7330 / 7328	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
12010 /10520	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
14710 /12138	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
14950 /12286	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 308	<b>Date of Summary:</b> 31-JUL-2001	<b>First Sample Examined:</b> 2600
<b>Lease Number:</b> G21685	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18061
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18059
<b>API Well Number:</b> 177164028000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2600 - 18063	<b>Water Depth:</b> 484
<b>Public Info Code:</b> Y 11-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2600 / 2600	DEF AT first sample examined	DEF AT 5
2601 / 2601	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
3860 / 3860	DEF AT -----	DEF AT 4
4010 / 4010	DEF AT -----	DEF AT 5
4700 / 4700	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5780 / 5780	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6890 / 6889	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8000 / 7999	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8480 / 8479	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8690 / 8689	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9520 / 9519	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11710 /11709	DEF AT -----	DEF AT 6
11770 /11769	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12220 /12219	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12580 /12579	DEF AT -----	DEF AT 5
14060 /14059	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
15710 /15709	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 5
16280 /16279	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16310 /16309	DEF AT -----	DEF AT 6
16460 /16459	DEF AT -----	DEF AT 5
17530 /17529	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
17590 /17589	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 308	<b>Date of Summary:</b> 31-JUL-2001	<b>First Sample Examined:</b> 2600
<b>Lease Number:</b> G21685	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18061
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18059
<b>API Well Number:</b> 177164028000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2600 - 18063	<b>Water Depth:</b> 484
<b>Public Info Code:</b> Y 11-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17710 /17709	DEF AT sample gap top	POS AT 5
17799 /17798	DEF AT sample gap bottom	DEF IN 5
17800 /17799	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
17920 /17919	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
18063 /18062	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 308	Date of Summary: 31-JUL-2001	First Sample Examined: 2600
Lease Number: G21685	Source of Paleo: OPERATOR	Borehole MD: 18061
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18059
API Well Number: 177164028000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 2600 - 18063	Water Depth: 484
Public Info Code: Y 11-AUG-2011	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2600 / 2600	DEF AT first sample examined	DEF AT
3260 / 3260	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4610 / 4610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5900 / 5900	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6770 / 6769	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6920 / 6919	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7640 / 7639	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7940 / 7939	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8240 / 8239	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8510 / 8509	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8570 / 8569	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8600 / 8599	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8750 / 8749	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9070 / 9069	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9550 / 9549	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11170 /11169	DEF AT out-of-place section	DEF AT
11171 /11170	POS AT salt weld	DEF AT
11860 /11859	DEF AT salt	DEF AT
12070 /12069	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12970 /12969	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13450 /13449	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13719 /13718	POS AT salt weld	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 308	<b>Date of Summary:</b> 31-JUL-2001	<b>First Sample Examined:</b> 2600
<b>Lease Number:</b> G21685	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18061
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18059
<b>API Well Number:</b> 177164028000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2600 - 18063	<b>Water Depth:</b> 484
<b>Public Info Code:</b> Y 11-AUG-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13720 /13719	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14530 /14529	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15350 /15349	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
15650 /15649	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17090 /17089	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17500 /17499	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17860 /17859	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17950 /17949	DEF AT salt	DEF AT
18063 /18062	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 308	Date of Summary: 27-FEB-2002	First Sample Examined: 8460
Lease Number: G21685	Source of Paleo: OPERATOR	Borehole MD: 19884
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19137
API Well Number: 177164028700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 8460 - 19827	Water Depth: 484
Public Info Code: Y 28-JAN-2012	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8460 / 7958	DEF AT first sample examined	DEF AT
8520 / 8012	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8700 / 8175	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8730 / 8202	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8760 / 8229	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8970 / 8418	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9300 / 8712	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9540 / 8923	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10140 / 9467	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10320 / 9634	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10590 / 9887	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10890 /10172	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11310 /10578	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11490 /10753	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11520 /10783	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11670 /10930	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12180 /11435	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12210 /11465	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12240 /11495	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12930 /12184	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13109 /12363	DEF AT anhydrite	DEF AT
13110 /12364	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 308  
Lease Number: G21685  
Well Name: A002  
API Well Number: 177164028700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 28-JAN-2012

Date of Summary: 27-FEB-2002  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 8460 - 19827  
Ecozone Eq MMS:

First Sample Examined: 8460  
Borehole MD: 19884  
Borehole TVD: 19137  
Rkb Elevation: 80  
Water Depth: 484  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13250 /12504	DEF AT base of salt	DEF AT
13420 /12674	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13600 /12854	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14530 /13784	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15444 /14697	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15700 /14953	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16420 /15673	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17420 /16673	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18230 /17483	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19107 /18360	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19770 /19023	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19810 /19063	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19827 /19080	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 308	Date of Summary: 04-MAR-2002	First Sample Examined: 8460
Lease Number: G21685	Source of Paleo: OPERATOR	Borehole MD: 19884
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19137
API Well Number: 177164028700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 8460 - 19827	Water Depth: 484
Public Info Code: Y 28-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8460 / 7958	DEF AT first sample examined	DEF AT 5
8520 / 8012	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8610 / 8093	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8730 / 8202	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8760 / 8229	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9060 / 8499	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9420 / 8818	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10050 / 9384	DEF AT - - - - -	DEF AT 6
10110 / 9439	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10500 / 9802	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11040 /10317	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11550 /10812	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11940 /11197	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
12210 /11465	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
12240 /11495	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
12300 /11555	DEF AT - - - - -	DEF AT 5
12930 /12184	DEF AT - - - - -	DEF AT 6
12960 /12214	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
13109 /12363	DEF AT anhydrite	DEF AT 6
13110 /12364	DEF AT salt	DEF AT 6
13263 /12517	DEF AT base of salt	DEF AT 6
13750 /13004	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 308  
Lease Number: G21685  
Well Name: A002  
API Well Number: 177164028700  
Paleo Report Num: 2 of 2  
Public Info Code: Y 28-JAN-2012

Date of Summary: 04-MAR-2002  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 8460 - 19827  
Ecozone Eq MMS: Y

First Sample Examined: 8460  
Borehole MD: 19884  
Borehole TVD: 19137  
Rkb Elevation: 80  
Water Depth: 484  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14050 /13304	DEF AT -----	DEF AT 5
14620 /13874	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
14920 /14174	DEF AT -----	DEF AT 6
15110 /14364	DEF AT -----	DEF AT 5
16210 /15463	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
16390 /15643	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
17120 /16373	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
18050 /17303	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
19620 /18873	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
19790 /19043	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
19827 /19080	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 308	Date of Summary: 27-FEB-2002	First Sample Examined: 17480
Lease Number: G21685	Source of Paleo: OPERATOR	Borehole MD: 21250
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20471
API Well Number: 177164028701	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 17480 - 21250	Water Depth: 484
Public Info Code: Y 17-MAR-2012	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17480 /16733	DEF AT first sample examined	DEF AT
17510 /16763	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18170 /17412	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18640 /17874	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19730 /18953	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
19790 /19013	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20390 /19611	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20540 /19761	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20810 /20031	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21060 /20281	DEF AT out-of-place section	DEF AT
21250 /20471	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 308	<b>Date of Summary:</b> 04-MAR-2002	<b>First Sample Examined:</b> 17480
<b>Lease Number:</b> G21685	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21250
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20471
<b>API Well Number:</b> 177164028701	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17480 - 21250	<b>Water Depth:</b> 484
<b>Public Info Code:</b> Y 17-MAR-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17480 /16733	DEF AT first sample examined	DEF AT 5
17600 /16852	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
17990 /17235	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
19730 /18953	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
20060 /19282	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
20150 /19372	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
20600 /19821	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
20970 /20191	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21250 /20471	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 312	Date of Summary: 25-AUG-1997	First Sample Examined: 0
Lease Number: G15346	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12995
API Well Number: 177164022400	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 410
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4830 / 4829	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
8700 / 8699	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
9270 / 9269	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9420 / 9419	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 315	<b>Date of Summary:</b> 12-MAR-2003	<b>First Sample Examined:</b> 3610
<b>Lease Number:</b> G23946	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10855
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10601
<b>API Well Number:</b> 177164031000	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3610 - 10856	<b>Water Depth:</b> 420
<b>Public Info Code:</b> Y 05-APR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3610 / 3609	DEF AT first sample examined	DEF AT 4
4320 / 4318	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
4590 / 4588	DEF AT -----	DEF AT 4
6780 / 6776	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
7500 / 7467	DEF AT -----	DEF AT 5
8190 / 8110	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8340 / 8247	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8550 / 8439	DEF AT -----	DEF AT 5
9840 / 9639	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9960 / 9751	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
10080 / 9864	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10260 / 10033	DEF AT -----	DEF AT 5
10800 / 10549	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10856 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 316	Date of Summary: 19-JAN-2000	First Sample Examined: 0
Lease Number: G15348	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14159
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13400
API Well Number: 177164026000	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 499
Public Info Code: Y 17-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9020 / 9019	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
11270 /11114	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
13880 /13175	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 316	Date of Summary: 26-NOV-2001	First Sample Examined: 4400
Lease Number: G22762	Source of Paleo: OPERATOR	Borehole MD: 12629
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12629
API Well Number: 177164028600	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4400 - 12620	Water Depth: 463
Public Info Code: Y 20-NOV-2011	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4400 / 4399	DEF AT first sample examined	DEF AT 3
5300 / 5299	DEF AT - - - - -	DEF AT 4
8960 / 8959	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
10610 /10609	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
12350 /12348	DEF AT - - - - -	DEF AT 5
12440 /12438	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12530 /12528	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12620 /12618	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 316	<b>Date of Summary:</b> 26-NOV-2001	<b>First Sample Examined:</b> 12429
<b>Lease Number:</b> G22762	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12629
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12629
<b>API Well Number:</b> 177164028600	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12429 - 12546	<b>Water Depth:</b> 463
<b>Public Info Code:</b> Y 20-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12429 /12427	DEF AT first sample examined	DEF AT 5
12447 /12445	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12474 /12472	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12475 /12473	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12514 /12512	DEF AT -----	DEF AT 3
12520 /12518	DEF AT -----	DEF AT 4
12522 /12520	DEF AT -----	DEF AT 3
12529 /12527	DEF AT -----	DEF AT 4
12546 /12544	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 316	Date of Summary: 02-JAN-2002	First Sample Examined: 9960
Lease Number: G22762	Source of Paleo: OPERATOR	Borehole MD: 13725
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13138
API Well Number: 177164028800	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9960 - 13725	Water Depth: 448
Public Info Code: Y 05-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9960 / 9378	DEF AT first sample examined	DEF AT 5
9961 / 9379	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10980 /10395	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12780 /12193	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13380 /12793	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13725 /13138	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> ST 316	<b>Date of Summary:</b> 22-JAN-2002	<b>First Sample Examined:</b> 8900
<b>Lease Number:</b> G22762	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13628
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13312
<b>API Well Number:</b> 177164029000	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8900 - 13628	<b>Water Depth:</b> 453
<b>Public Info Code:</b> Y 03-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8586	DEF AT first sample examined	DEF AT 4
9380 / 9066	DEF AT -----	DEF AT 5
9560 / 9246	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9800 / 9486	DEF AT -----	DEF AT 4
10190 / 9876	DEF AT -----	DEF AT 5
10250 / 9936	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13460 /13144	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13580 /13264	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13628 /13312	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 318	Date of Summary: 15-DEC-2011	First Sample Examined: 3215
Lease Number: G33115	Source of Paleo: OPERATOR	Borehole MD: 10904
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10901
API Well Number: 177164035400	Drilling Operator: APACHE DEEPWATER LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3215 - 10904	Water Depth: 428
Public Info Code: Y 26-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3215 / 3214	DEF AT first sample examined	DEF IN 3
4290 / 4289	DEF AT -----	DEF AT 4
4560 / 4559	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
5460 / 5458	DEF AT -----	DEF AT 5
5490 / 5488	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
5610 / 5608	DEF AT -----	DEF AT 4
5880 / 5878	DEF AT -----	DEF AT 3
6060 / 6058	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
6150 / 6148	DEF AT -----	DEF AT 4
6240 / 6238	DEF AT -----	DEF AT 5
6359 / 6357	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
6360 / 6358	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "A")	DEF AT 5
8370 / 8368	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
8400 / 8398	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8670 / 8667	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9630 / 9627	DEF AT reworked material	DEF AT 5
9900 / 9897	DEF AT -----	DEF IN 5
10080 /10077	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
10109 /10106	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
10110 /10107	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisces (acme "B")	DEF IN 5
10200 /10197	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10350 /10347	DEF AT -----	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: ST 318	Date of Summary: 15-DEC-2011	First Sample Examined: 3215
Lease Number: G33115	Source of Paleo: OPERATOR	Borehole MD: 10904
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10901
API Well Number: 177164035400	Drilling Operator: APACHE DEEPWATER LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3215 - 10904	Water Depth: 428
Public Info Code: Y 26-JUL-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10904 /10901	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 22	Date of Summary: 15-APR-1991	First Sample Examined: 0
Lease Number: G07866	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 4100
API Well Number: 608164015200	Drilling Operator: SANTA FE INTERNATIONAL CORPOR	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 29-FEB-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2160 / 2160	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 22	Date of Summary: 16-FEB-2001	First Sample Examined: 0
Lease Number: G07866	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7402
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 5900
API Well Number: 608164037800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 29-FEB-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6188 / 5015	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 24	Date of Summary: 12-JUL-1999	First Sample Examined: 0
Lease Number: G08763	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17000
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608164031900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 89
Public Info Code: Y 23-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13842 /13841	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14162 /14161	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
14425 /14424	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
14922 /14921	DEF AT Lower Cretaceous James Formation	DEF AT 0
15456 /15455	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT 0
15654 /15653	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT 0



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 31	Date of Summary: 27-JUL-1990	First Sample Examined: 270
Lease Number: G07870	Source of Paleo: OPERATOR	Borehole MD: 2450
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 2450
API Well Number: 608164012600	Drilling Operator: SANTA FE MINERALS INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 270 - 2450	Water Depth: 101
Public Info Code: Y 23-AUG-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
270 / 270	DEF AT first sample examined	DEF IN 1
720 / 720	DEF AT - - - - -	DEF AT 2
870 / 870	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
2340 / 2340	DEF AT - - - - -	DEF AT 3
2370 / 2370	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
2450 / 2450	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 68	Date of Summary: 02-JUN-1997	First Sample Examined: 0
Lease Number: G08765	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12831
API Well Number: 608164028200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 09-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5020 / 5020	POS AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
8170 / 8170	POS AT Upper (Late) Cretaceous	DEF AT
10275 / 10275	POS AT Lower (Early) Cretaceous	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 68	<b>Date of Summary:</b> 24-JUL-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08765	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15396
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15396
<b>API Well Number:</b> 608164028500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 98
<b>Public Info Code:</b> Y 12-JUL-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8242 / 8242	DEF AT Upper (Late) Cretaceous	DEF AT
10300 /10300	DEF AT Lower (Early) Cretaceous	DEF AT
13800 /13799	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
15061 /15060	DEF AT Lower Cretaceous James Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 68	Date of Summary: 18-JUN-2001	First Sample Examined: 0
Lease Number: G08765	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15615
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 15191
API Well Number: 608164038600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 99
Public Info Code: Y 07-JUN-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14350 /13973	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14546 /14163	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14820 /14429	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
15312 /14902	DEF AT Lower Cretaceous James Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 69	Date of Summary: 13-JUL-2000	First Sample Examined: 0
Lease Number: G08765	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17050
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15460
API Well Number: 608164035701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 09-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14818 /13803	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
15188 /14119	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
15522 /14385	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
16138 /14855	DEF AT Lower Cretaceous James Formation	DEF AT
16969 /15414	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 70	Date of Summary: 17-FEB-2000	First Sample Examined: 0
Lease Number: G16532	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15499
API Well Number: 608164033001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 108
Public Info Code: Y 31-MAY-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13723 /13722	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14043 /14042	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
14315 /14314	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
14818 /14817	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 70	Date of Summary: 23-OCT-2000	First Sample Examined: 0
Lease Number: G16532	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15864
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15268
API Well Number: 608164033002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 108
Public Info Code: Y 31-MAY-2001	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13723 /13283	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14043 /13570	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
14315 /13817	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
14818 /14285	DEF AT Lower Cretaceous James Formation	DEF AT 0
15369 /14801	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 113	Date of Summary: 23-JUL-2001	First Sample Examined: 0
Lease Number: G16535	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15640
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15386
API Well Number: 608164039100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 103
Public Info Code: Y 12-JUL-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13970 /13800	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14285 /14103	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
14560 /14362	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
15064 /14838	DEF AT Lower Cretaceous James Formation	DEF AT 0



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 114	Date of Summary: 23-JUN-1998	First Sample Examined: 0
Lease Number: G16536	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15500
API Well Number: 608164029000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 121
Public Info Code: Y 18-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15128 /15126	DEF IN Lower Cretaceous James Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 114	Date of Summary: 01-AUG-2000	First Sample Examined: 0
Lease Number: G16536	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16317
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 15275
API Well Number: 608164036400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 137
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 111
Public Info Code: Y 18-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14722 /13711	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
15040 /14022	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
15331 /14307	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
15834 /14800	DEF AT Lower Cretaceous James Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 114	Date of Summary: 07-JAN-2000	First Sample Examined: 0
Lease Number: G19893	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16530
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15496
API Well Number: 608164035100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 111
Public Info Code: Y 16-NOV-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14542 /13685	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14901 /14016	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
15212 /14304	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
15713 /14762	DEF AT Lower Cretaceous James Formation	DEF AT 0
16308 /15297	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 159	Date of Summary: 25-MAY-2001	First Sample Examined: 0
Lease Number: G18134	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15498
API Well Number: 608164037400	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 115
Public Info Code: Y 31-MAY-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5945 / 5945	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
8050 / 8050	DEF AT Paleocene Midway Group/Provincial Stage	DEF AT
8240 / 8240	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
10180 /10180	DEF AT Upper Cretaceous Eagle Ford Group/Provincial Stage	DEF AT
10305 /10304	DEF AT Lower (Early) Cretaceous	DEF AT
12852 /12851	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13648 /13647	DEF AT Lower Cretaceous Upper Glen Rose Formation	DEF AT
14338 /14337	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14762 /14761	DEF IN Lower Cretaceous Ferry Lake Anhydrite	DEF AT
15148 /15146	DEF AT Lower Cretaceous James Formation	DEF AT
15300 /15298	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 169	Date of Summary: 10-MAY-2001	First Sample Examined: 0
Lease Number: G21718	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15250
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15250
API Well Number: 608164038400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 117
Public Info Code: Y 29-APR-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9070 / 9069	DEF AT Lower (Early) Cretaceous	DEF AT
14830 /14826	DEF AT Lower Cretaceous James Formation	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 205	Date of Summary: 02-AUG-2000	First Sample Examined: 0
Lease Number: G18136	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15058
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15056
API Well Number: 608164036300	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 117
Public Info Code: Y 30-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9950 / 9949	DEF AT Lower (Early) Cretaceous	DEF AT 0
12500 /12499	DEF AT Lower Cretaceous Paluxy Formation	DEF AT 0
13366 /13365	DEF AT Lower Cretaceous Upper Glen Rose Formation	DEF AT 0
13670 /13669	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14514 /14512	DEF IN Lower Cretaceous Rodessa Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 206	Date of Summary: 17-APR-2001	First Sample Examined: 0
Lease Number: G13980	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15410
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14781
API Well Number: 608164037701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 121
Public Info Code: Y 25-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7985 / 7767	DEF AT Cretaceous	DEF AT 0
9990 / 9767	DEF AT Lower (Early) Cretaceous	DEF AT 0
14917 /14406	DEF IN Lower Cretaceous James Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 207	Date of Summary: 17-JUN-1996	First Sample Examined: 0
Lease Number: G13980	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15875
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14579
API Well Number: 608164025900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 123
Public Info Code: Y 12-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10470 / 9716	DEF AT Lower (Early) Cretaceous	DEF AT
13373 /12306	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
14295 /13159	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14772 /13612	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
15033 /13855	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
15645 /14393	DEF AT Lower Cretaceous James Formation	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 208	Date of Summary: 11-MAR-1996	First Sample Examined: 0
Lease Number: G13981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14750
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14749
API Well Number: 608164023100	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 01-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7472 / 7472	DEF AT Upper (Late) Cretaceous	DEF AT
9522 / 9522	DEF AT Lower (Early) Cretaceous	DEF AT
12180 /12179	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13052 /13051	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13436 /13435	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
13760 /13759	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
14324 /14323	DEF AT Lower Cretaceous James Formation	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 251	Date of Summary: 05-JUL-2005	First Sample Examined: 19400
Lease Number: G10930	Source of Paleo: OPERATOR	Borehole MD: 24798
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24798
API Well Number: 608164043500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 19400 - 24070	Water Depth: 123
Public Info Code: Y 11-SEP-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Cadillac Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19400 /19399	DEF AT first sample examined	DEF AT
19401 /19400	DEF IN Lower Cretaceous (Valanginian) Diadorphombus rectus	DEF AT
19580 /19579	DEF AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
19940 /19939	DEF AT Lower Cretaceous (Berriasian) Polycostella beckmannii	DEF AT
21140 /21139	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
21200 /21199	DEF AT local marker floral decrease	DEF AT
21440 /21439	DEF AT local marker floral increase	DEF AT
21860 /21859	DEF AT local marker floral increase	DEF AT
24070 /24069	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 251	<b>Date of Summary:</b> 29-AUG-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10930	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16150
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14936
<b>API Well Number:</b> 608164034501	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 124
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 121
<b>Public Info Code:</b> Y 22-SEP-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10394 / 9795	DEF AT Lower (Early) Cretaceous	DEF AT
13340 /12370	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
14249 /13203	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14730 /13653	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14988 /13888	DEF AT Lower Cretaceous Rodessa Formation	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 252	Date of Summary: 05-SEP-2000	First Sample Examined: 0
Lease Number: G13981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16127
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14757
API Well Number: 608164020700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 18-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15580 /14338	DEF AT Lower Cretaceous James Formation	DEF AT 0

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 252	Date of Summary: 06-JUN-1994	First Sample Examined: 0
Lease Number: G13982	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15071
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15071
API Well Number: 608164019600	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 88
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 22-APR-2004	Ecozone Eq MMS:	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5186 / 5186	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
6633 / 6633	DEF AT Paleocene Midway Group/Provincial Stage	DEF AT
7645 / 7645	DEF AT Upper (Late) Cretaceous	DEF AT
9589 / 9587	DEF AT Lower (Early) Cretaceous	DEF AT
12240 /12238	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13108 /13106	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13470 /13468	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
13792 /13790	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
14216 /14214	DEF AT Lower Cretaceous James Formation	DEF AT
14974 /14972	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 252	Date of Summary: 02-JUL-1999	First Sample Examined: 5180
Lease Number: G13982	Source of Paleo: OPERATOR	Borehole MD: 15071
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 15071
API Well Number: 608164019600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 2 of 2	Sample Range: 5180 - 15094	Water Depth: 120
Public Info Code: Y 22-APR-2004	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5180 / 5180	DEF AT first sample examined	POS AT 1
5181 / 5181	POS IN Lower (Early) Miocene	POS AT 3
5600 / 5600	POS IN Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 3
6140 / 6140	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 3
6320 / 6320	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
6620 / 6620	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 4
6649 / 6649	POS AT unconformity	DEF AT 4
6650 / 6650	DEF AT Middle Eocene Claiborne Group/Provincial Stage	DEF AT 4
7220 / 7220	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 4
7460 / 7460	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 4
7640 / 7640	DEF IN Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	DEF AT 4
7820 / 7820	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT 4
8430 / 8430	DEF AT Upper Cretaceous (Campanian) Globotruncana calcarata	DEF AT 4
8670 / 8670	DEF IN Upper Cretaceous (Campanian) Marginotruncana coronata	DEF AT 4
8760 / 8759	DEF AT Upper Cretaceous (Coniacian) Hedbergella amabilis	DEF AT 4
9120 / 9119	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT 4
9360 / 9358	DEF AT Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF AT 4
9540 / 9538	POS AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	POS AT 2
9660 / 9658	POS AT Upper Cretaceous (Cenomanian) Fossocytheridea lenoiresis (ostracod)	POS AT 2
10770 /10768	DEF IN Lower Cretaceous (Albian) Cythereis fredericksburgensis (ostracod)	POS AT 2
11730 /11728	DEF IN Lower Cretaceous (Albian) Coskinolinoides texanus	POS AT 2
12870 /12868	DEF AT faunal change (no faunal increase)	POS AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 252	Date of Summary: 02-JUL-1999	First Sample Examined: 5180
Lease Number: G13982	Source of Paleo: OPERATOR	Borehole MD: 15071
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 15071
API Well Number: 608164019600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 2 of 2	Sample Range: 5180 - 15094	Water Depth: 120
Public Info Code: Y 22-APR-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13320 /13318	POS AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod)	DEF AT
13470 /13468	POS AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT
13560 /13558	DEF AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT
14280 /14278	DEF AT Lower Cretaceous (Albian) Rehacythereis? aff. R. glabrella (ostracod)	DEF AT
14281 /14279	POS AT Lower Cretaceous Pearsall Formation	DEF AT
14282 /14280	POS AT Lower Cretaceous James Formation	DEF AT
14400 /14398	POS AT maximum flooding surface	DEF AT
14790 /14788	DEF IN Lower Cretaceous Pine Island Formation	DEF AT
15094 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 253	Date of Summary: 12-OCT-1994	First Sample Examined: 0
Lease Number: G13983	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 608164020600	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 93
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 123
Public Info Code: Y 07-OCT-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5193 / 5193	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
7577 / 7577	DEF AT Upper (Late) Cretaceous	DEF AT
9550 / 9550	DEF AT Lower (Early) Cretaceous	DEF AT
12250 /12249	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13147 /13146	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13877 /13876	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
14453 /14452	DEF AT Lower Cretaceous James Formation	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 253	<b>Date of Summary:</b> 01-JUL-1999	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G13983	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 15000
<b>API Well Number:</b> 608164020600	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5000 - 15000	<b>Water Depth:</b> 123
<b>Public Info Code:</b> Y 07-OCT-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** 7360=Early Eocene Globorotalia aequa, 13780=very abundant Coskinolina sunnilandensis, Cenozoic paleobathymetries range from outer neritic to Upper bathyal, Late Cretaceous paleobathymetries range from outer neritic to bathyal with modest terrigenous input after the Woodbine/Eagleford

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT
5001 / 5001	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
5150 / 5150	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
5720 / 5720	DEF AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT
5960 / 5960	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT
6230 / 6230	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
6520 / 6520	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT
6670 / 6670	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
6700 / 6700	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT
6880 / 6880	DEF IN Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT
7360 / 7360	DEF IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT
7570 / 7570	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT
7630 / 7630	DEF AT Upper Cretaceous Maastrichtian Stage	DEF AT
7810 / 7810	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT
7840 / 7840	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT
8230 / 8230	DEF AT Upper Cretaceous (Campanian) Globotruncana calcarata	DEF AT
8680 / 8680	POS AT Upper Cretaceous (Campanian) Marginotruncana coronata	DEF AT
8890 / 8890	DEF AT Upper Cretaceous (Coniacian) Hedbergella amabilis	DEF AT
9160 / 9160	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT
9550 / 9550	DEF AT Upper Cretaceous Woodbine Group/Provincial Stage	DEF AT
9551 / 9551	DEF AT limestone	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 253	<b>Date of Summary:</b> 01-JUL-1999	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G13983	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 15000
<b>API Well Number:</b> 608164020600	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5000 - 15000	<b>Water Depth:</b> 123
<b>Public Info Code:</b> Y 07-OCT-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9730 / 9730	DEF AT Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
10840 /10839	DEF IN Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
11770 /11769	DEF IN Lower Cretaceous Fredericksburg Group/Provincial Stage	DEF AT
13510 /13509	POS AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT
13600 /13599	DEF AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT
13779 /13778	DEF AT reefal material	DEF AT
13780 /13779	DEF AT Lower Cretaceous (Albian) Coskinolinoides texanus	DEF AT
14440 /14439	DEF AT calcite	DEF AT
15000 /14999	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 296	<b>Date of Summary:</b> 05-APR-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10932	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15500
<b>API Well Number:</b> 608164018700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 120
<b>Public Info Code:</b> Y 15-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7946 / 7946	DEF AT Upper (Late) Cretaceous	DEF AT
12338 /12337	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13206 /13205	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14460 /14459	DEF IN Lower Cretaceous James Formation	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 296	Date of Summary: 06-MAY-1994	First Sample Examined: 8100
Lease Number: G10932	Source of Paleo: OPERATOR	Borehole MD: 15500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15500
API Well Number: 608164018700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 8100 - 15500	Water Depth: 120
Public Info Code: Y 15-AUG-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, 15060=Upper Aptian Nannoconus bucheri, 15240=Lower Aptian Nannoconus wassali

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8100 / 8100	DEF AT first sample examined	DEF AT
8101 / 8101	DEF IN Lower (Early) Paleocene	DEF AT
8130 / 8130	POS IN Upper Cretaceous (Maastrichtian) Micula prinsii (FAD)	DEF AT
8580 / 8580	DEF AT Upper Cretaceous (Campanian) Aspidolithus parvus parvus	DEF AT
9060 / 9059	DEF AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
9360 / 9359	DEF AT Upper Cretaceous (Coniacian) Stoverius achylosus	DEF AT
9720 / 9719	DEF AT Upper Cretaceous (Cenomanian) Axopodorhabdus albianus	DEF AT
9840 / 9839	DEF IN Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT
15060 /15059	POS AT Lower Cretaceous (Aptian) Conusphaera mexicana	DEF AT
15240 /15239	DEF AT Lower Cretaceous (Aptian) Conusphaera rothii	DEF AT
15500 /15499	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 340	Date of Summary: 12-JUN-2001	First Sample Examined: 0
Lease Number: G10933	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15250
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15247
API Well Number: 608164038800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 128
Public Info Code: Y 01-JUN-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9840 / 9838	DEF AT Lower (Early) Cretaceous	DEF AT
10770 /10767	DEF IN Lower Cretaceous Albian Stage	DEF AT
12460 /12457	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13224 /13221	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13830 /13827	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
14434 /14431	DEF AT Lower Cretaceous James Formation	DEF AT
15055 /15052	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> VK 384	<b>Date of Summary:</b> 10-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16541	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15250
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15247
<b>API Well Number:</b> 608164035400	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 128
<b>Public Info Code:</b> Y 22-FEB-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4975 / 4975	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
8720 / 8720	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
9885 / 9884	DEF AT Lower (Early) Cretaceous	DEF AT
11260 /11259	DEF IN Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
12150 /12149	DEF IN Lower Cretaceous Albian Stage	DEF AT
12590 /12589	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13100 /13099	DEF AT Lower Cretaceous Upper Glen Rose Formation	DEF AT
13650 /13649	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14642 /14640	DEF IN Lower Cretaceous Rodessa Formation	DEF AT
14850 /14848	DEF AT Lower Cretaceous Punta Gorda Formation	DEF AT
15050 /15047	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 385	Date of Summary: 28-SEP-1999	First Sample Examined: 0
Lease Number: G16542	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15499
API Well Number: 608164034100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 142
Public Info Code: Y 11-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand, 11150=Washita-Fredericksburg, 12035=Middle Albian, 14650=Lower Rodessa

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6111 / 6111	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
8636 / 8635	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
9840 / 9839	DEF AT Lower (Early) Cretaceous	DEF AT
11150 /11149	DEF IN Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
12035 /12034	DEF IN Lower Cretaceous Albian Stage	DEF AT
12500 /12499	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
12978 /12977	DEF AT Lower Cretaceous Upper Glen Rose Formation	DEF AT
13590 /13589	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14650 /14649	DEF IN Lower Cretaceous Rodessa Formation	DEF AT
14880 /14879	DEF AT Lower Cretaceous Punta Gorda Formation	DEF AT
15450 /15449	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 385	Date of Summary: 13-NOV-2001	First Sample Examined: 0
Lease Number: G16542	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16333
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 608164036000	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 07-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15992 /14717	DEF IN Lower Cretaceous Rodessa Formation	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 475	Date of Summary: 22-JUN-2000	First Sample Examined: 0
Lease Number: G21153	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15199
API Well Number: 608164036100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 31-MAY-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8885 / 8885	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT 0
12600 /12600	DEF AT Lower Cretaceous Paluxy Formation	DEF AT 0
13290 /13290	DEF AT Lower Cretaceous Upper Glen Rose Formation	DEF AT 0
13700 /13700	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14684 /14684	DEF IN Lower Cretaceous Rodessa Formation	DEF AT 0
15170 /15170	DEF AT Lower Cretaceous James Formation	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 565	Date of Summary: 29-JAN-2001	First Sample Examined: 7000
Lease Number: G21154	Source of Paleo: OPERATOR	Borehole MD: 7981
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7980
API Well Number: 608164037500	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 103
Paleo Report Num: 1 of 2	Sample Range: 7000 - 7830	Water Depth: 224
Public Info Code: Y 17-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 7000	DEF AT first sample examined	DEF AT 5
7080 / 7080	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
7170 / 7170	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
7230 / 7230	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
7260 / 7260	DEF AT Upper Oligocene (Chattian) Bolivina mexicana	DEF AT 6
7350 / 7350	POS AT Lower Oligocene (Rupelian) Anomalina bilateralis	DEF AT 6
7410 / 7410	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
7530 / 7530	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
7559 / 7559	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 6
7560 / 7560	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 6
7620 / 7619	DEF AT local marker foram decrease	DEF AT 5
7740 / 7739	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
7830 / 7829	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 565	Date of Summary: 29-JAN-2001	First Sample Examined: 7830
Lease Number: G21154	Source of Paleo: OPERATOR	Borehole MD: 7981
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7980
API Well Number: 608164037500	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 103
Paleo Report Num: 2 of 2	Sample Range: 7830 - 15845	Water Depth: 224
Public Info Code: Y 17-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7830 / 7829	DEF AT first sample examined	DEF AT 5
8100 /	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
8130 /	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 5
8190 /	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
8340 /	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
8370 /	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 5
8400 /	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 5
8490 /	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 5
8549 /	DEF AT Upper Paleocene (Thanetian) Planorotalites compressa	DEF AT 5
8550 /	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT 5
8670 /	DEF AT faunal change (no faunal increase)	DEF AT 6
8818 /	DEF AT Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	DEF AT 4
8819 /	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana contusa	DEF AT 4
8820 /	DEF AT Upper Cretaceous (Campanian) Globotruncana elevata	DEF AT 4
8910 /	DEF AT Upper Cretaceous (Campanian) Globorotalites micheliniana	DEF AT 4
8969 /	DEF AT miliolid limestone	DEF AT 2
8970 /	DEF AT Lower Cretaceous (Albian) Cythereis fredericksburgensis (ostracod)	DEF AT 2
9120 /	DEF AT gray shale	DEF AT 1
9150 /	POS AT Arenaceous fauna (local marker)	DEF AT 1
10620 /	POS AT Lower Cretaceous (Albian) Coskinolinoides texanus	DEF AT 1
10800 /	POS AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT 1
10920 /	DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod)	DEF AT 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 565	<b>Date of Summary:</b> 29-JAN-2001	<b>First Sample Examined:</b> 7830
<b>Lease Number:</b> G21154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7981
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7980
<b>API Well Number:</b> 608164037500	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 103
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7830 - 15845	<b>Water Depth:</b> 224
<b>Public Info Code:</b> Y 17-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11040 /	DEF AT Lower Cretaceous Walnut Formation	DEF AT 1
11760 /	DEF AT Lower Cretaceous Paluxy Formation	DEF AT 1
12210 /	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12420 /	DEF AT faunal change (no faunal increase)	DEF AT 1
12540 /	DEF AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 2
12630 /	DEF AT faunal change (no faunal increase)	DEF AT 1
13620 /	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 1
13650 /	DEF AT faunal change (no faunal increase)	DEF AT 2
13890 /	DEF AT faunal change (no faunal increase)	DEF AT 1
13950 /	DEF AT local marker ostracod (see remarks)	DEF AT 2
14010 /	DEF AT faunal change (no faunal increase)	DEF AT 1
14759 /	DEF AT Lower Cretaceous James Formation	DEF AT 1
14760 /	DEF AT Lower Cretaceous (Aptian) Globigerinelloides algerianus	DEF AT 1
15780 /	DEF AT Lower Cretaceous (Aptian) Schackoina cabri	DEF AT 2
15810 /	DEF AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT 2
15845 /	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 565	<b>Date of Summary:</b> 29-JAN-2001	<b>First Sample Examined:</b> 7830
<b>Lease Number:</b> G21154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15845
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15800
<b>API Well Number:</b> 608164037501	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 103
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7830 - 15845	<b>Water Depth:</b> 224
<b>Public Info Code:</b> Y 17-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7830 / 7824	DEF AT first sample examined	DEF AT 5
8100 / 8088	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
8130 / 8117	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 5
8190 / 8176	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
8340 / 8323	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
8370 / 8353	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 5
8400 / 8382	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 5
8490 / 8470	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT 5
8549 / 8528	DEF AT Upper Paleocene (Thanetian) Planorotalites compressa	DEF AT 5
8550 / 8529	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT 5
8670 / 8645	DEF AT faunal change (no faunal increase)	DEF AT 6
8818 / 8790	DEF AT Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	DEF AT 4
8819 / 8791	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana contusa	DEF AT 4
8820 / 8792	DEF AT Upper Cretaceous (Campanian) Globotruncana elevata	DEF AT 4
8910 / 8880	DEF AT Upper Cretaceous (Campanian) Globorotalites micheliniana	DEF AT 4
8969 / 8938	DEF AT miliolid limestone	DEF AT 2
8970 / 8939	DEF AT Lower Cretaceous (Albian) Cythereis fredericksburgensis (ostracod)	DEF AT 2
9120 / 9086	DEF AT gray shale	DEF AT 1
9150 / 9115	POS AT Arenaceous fauna (local marker)	DEF AT 1
10620 /10577	POS AT Lower Cretaceous (Albian) Coskinolinoides texanus	DEF AT 1
10800 /10756	POS AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT 1
10920 /10876	DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitiensis (ostracod)	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 565	<b>Date of Summary:</b> 29-JAN-2001	<b>First Sample Examined:</b> 7830
<b>Lease Number:</b> G21154	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15845
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15800
<b>API Well Number:</b> 608164037501	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 103
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7830 - 15845	<b>Water Depth:</b> 224
<b>Public Info Code:</b> Y 17-JUN-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11040 /10996	DEF AT Lower Cretaceous Walnut Formation	DEF AT 1
11760 /11716	DEF AT Lower Cretaceous Paluxy Formation	DEF AT 1
12210 /12166	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12420 /12376	DEF AT faunal change (no faunal increase)	DEF AT 1
12540 /12496	DEF AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 2
12630 /12586	DEF AT faunal change (no faunal increase)	DEF AT 1
13620 /13576	POS AT Lower Cretaceous Mooringsport Formation	DEF AT 1
13650 /13606	DEF AT faunal change (no faunal increase)	DEF AT 2
13890 /13846	DEF AT faunal change (no faunal increase)	DEF AT 1
13950 /13906	DEF AT local marker ostracod (see remarks)	DEF AT 2
14010 /13966	DEF AT faunal change (no faunal increase)	DEF AT 1
14759 /14714	DEF AT Lower Cretaceous James Formation	DEF AT 1
14760 /14715	DEF AT Lower Cretaceous (Aptian) Globigerinelloides algerianus	DEF AT 1
15780 /15735	DEF AT Lower Cretaceous (Aptian) Schackoina cabri	DEF AT 2
15810 /15765	DEF AT Lower Cretaceous (Aptian) Choffatella decipiens	DEF AT 2
15845 /15800	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 610	<b>Date of Summary:</b> 07-OCT-2002	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G18151	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15700
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15693
<b>API Well Number:</b> 608164041200	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 5000 - 8800	<b>Water Depth:</b> 279
<b>Public Info Code:</b> Y 15-MAY-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report done by Morin Biostratigraphic Studies, 7960=in Prinsius bisulcus, 8040=Heliolithus cantabriae, 8160=in Helicosphaera bramlettei, 8190=Upper Paleocene Ellipsolithus bollii, 8280=in Lower Paleocene Neochiastozygus inbrei, 8460=Lower Paleocene Braarudosphaera bigelowi bloom

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT
5001 / 5001	DEF IN Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
5040 / 5040	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
5100 / 5100	DEF AT reworked material	DEF AT
5470 / 5470	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
5500 / 5500	POS AT condensed section	DEF AT
5530 / 5530	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
5680 / 5680	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
5830 / 5830	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
5890 / 5890	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
5980 / 5980	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
6280 / 6280	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
6700 / 6700	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
6800 / 6800	POS AT condensed section	DEF AT
6910 / 6910	DEF IN Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
7030 / 7030	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
7060 / 7060	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
7150 / 7150	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
7180 / 7180	POS AT condensed section	DEF AT
7210 / 7210	DEF IN Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 610	Date of Summary: 07-OCT-2002	First Sample Examined: 5000
Lease Number: G18151	Source of Paleo: OPERATOR	Borehole MD: 15700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15693
API Well Number: 608164041200	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 3	Sample Range: 5000 - 8800	Water Depth: 279
Public Info Code: Y 15-MAY-2003	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7390 / 7390	DEF IN Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
7750 / 7749	DEF IN Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
7800 / 7799	POS AT condensed section	DEF AT
7960 / 7959	DEF IN local marker floral increase	DEF AT
8040 / 8039	DEF AT local marker floral increase	DEF AT
8100 / 8099	POS AT condensed section	DEF AT
8160 / 8159	DEF IN local marker floral increase	DEF AT
8190 / 8189	DEF AT local marker floral increase	DEF AT
8280 / 8278	DEF IN local marker floral increase	DEF AT
8460 / 8458	DEF AT floral flood	DEF AT
8520 / 8517	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
8670 / 8667	DEF IN Upper Cretaceous (Maastrichtian) Micula prinsii (FAD)	DEF AT
8700 / 8696	DEF AT local marker floral decrease	DEF AT
8880 / 8875	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 610	Date of Summary: 24-NOV-2002	First Sample Examined: 13590
Lease Number: G18151	Source of Paleo: OPERATOR	Borehole MD: 15700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15693
API Well Number: 608164041200	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 95
Paleo Report Num: 2 of 3	Sample Range: 13590 - 15700	Water Depth: 279
Public Info Code: Y 15-MAY-2003	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, 14280=Possibly in Upper Albian to in Middle Cenomanian Eiffelithus monechiae and Acaenolithus cenomanicus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13590 /13583	DEF AT first sample examined	DEF AT
14280 /14273	POS AT Lower Cretaceous (Albian) Hayesites albiensis	DEF AT
15700 /15693	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 610	Date of Summary: 09-DEC-2002	First Sample Examined: 8550
Lease Number: G18151	Source of Paleo: OPERATOR	Borehole MD: 15700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15693
API Well Number: 608164041200	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 95
Paleo Report Num: 3 of 3	Sample Range: 8550 - 13560	Water Depth: 279
Public Info Code: Y 15-MAY-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** 8550=Middle to Upper Maastrichtian undifferentiated fauna, 8790=possible Upper Albian Haplophragmoides globosus, 10740=strong development of Lower Fredericksburg Barkerina barkerensis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8550 / 8547	DEF AT first sample examined	DEF AT 4
8551 / 8548	DEF IN Upper Cretaceous Maastrichtian Stage	DEF AT 4
8640 / 8637	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 4
8699 / 8695	DEF AT Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT 2
8700 / 8696	DEF AT miliolid limestone	DEF AT 2
8790 / 8786	POS AT Lower Cretaceous Fredericksburg Group/Provincial Stage	DEF AT 2
10290 /10284	POS AT Lower Cretaceous (Albian) Dictyoconus walnutensis	DEF AT 2
10650 /10644	DEF AT Lower Cretaceous (Albian) Eocytheropteron trinitensis (ostracod)	DEF AT 2
10740 /10734	POS AT Lower Cretaceous (Albian) Cytheridea goodlandensis (ostracod)	DEF AT 2
11400 /11394	POS AT Lower Cretaceous (Barremian) Schuleridea lacustris (ostracod)	DEF AT 2
13230 /13223	POS AT Lower Cretaceous (Albian) Orbitolina texana	DEF AT 2
13560 /13553	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 693	<b>Date of Summary:</b> 06-NOV-1990	<b>First Sample Examined:</b> 7370
<b>Lease Number:</b> G07827	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13395
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10742
<b>API Well Number:</b> 608164015800	<b>Drilling Operator:</b> DELMAR OPERATING INC PM	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7370 - 13396	<b>Water Depth:</b> 455
<b>Public Info Code:</b> Y 05-DEC-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7370 / 6041	DEF AT first sample examined	DEF IN 5
9470 / 7710	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
12170 / 9803	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
13370 /10722	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
13396 /	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 693	Date of Summary: 26-SEP-1990	First Sample Examined: 1640
Lease Number: G07898	Source of Paleo: OPERATOR	Borehole MD: 12056
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12054
API Well Number: 608164015700	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 1640 - 12056	Water Depth: 465
Public Info Code: Y 24-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1640 / 1640	DEF AT first sample examined	DEF IN 2
1970 / 1970	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
2180 / 2180	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
2359 / 2359	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
2360 / 2360	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
2420 / 2420	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 4
2479 / 2479	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
2480 / 2480	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
2840 / 2840	DEF AT local marker deep water fauna	DEF AT 4
2900 / 2900	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
3140 / 3140	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
3680 / 3680	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
4310 / 4310	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
4458 / 4458	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
4459 / 4459	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
4460 / 4460	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
4490 / 4490	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 4
5120 / 5120	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4
5570 / 5570	DEF AT Eggerella sp. (local marker)	DEF AT 4
5840 / 5840	DEF AT Eggerella 3 (local marker)	DEF AT 4
6230 / 6230	DEF AT Arenaceous fauna (local marker)	DEF AT 4
6260 / 6260	DEF AT local marker foram decrease	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 693	Date of Summary: 26-SEP-1990	First Sample Examined: 1640
Lease Number: G07898	Source of Paleo: OPERATOR	Borehole MD: 12056
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12054
API Well Number: 608164015700	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 1640 - 12056	Water Depth: 465
Public Info Code: Y 24-OCT-2000	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6920 / 6920	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
7070 / 7069	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
7160 / 7159	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
7280 / 7279	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
7760 / 7759	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
7850 / 7849	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 6
8420 / 8419	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 6
8600 / 8599	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
9320 / 9318	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
9590 / 9588	DEF AT Eggerella 3 (local marker)	DEF AT 6
9830 / 9828	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
9860 / 9858	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
10100 /10098	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
10490 /10488	DEF AT local marker foram decrease	DEF AT 6
10899 /10897	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
10900 /10898	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
12056 /12054	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 693	<b>Date of Summary:</b> 02-JAN-1990	<b>First Sample Examined:</b> 5020
<b>Lease Number:</b> G07898	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12225
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11700
<b>API Well Number:</b> 608164016000	<b>Drilling Operator:</b> DELMAR OPERATING INC PM	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5020 - 12255	<b>Water Depth:</b> 455
<b>Public Info Code:</b> Y 25-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5020 / 5020	DEF AT first sample examined	DEF IN 5
5170 / 5170	DEF AT - - - - -	DEF AT 6
9640 / 9339	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
10270 / 9899	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
11560 / 11078	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12255 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 693	Date of Summary: 11-JAN-1993	First Sample Examined: 0
Lease Number: G13055	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14343
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11601
API Well Number: 608164016600	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 465
Public Info Code: Y 06-JAN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4830 / 4268	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8010 / 6622	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9690 / 7857	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11340 / 9073	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
12330 / 9852	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
13470 / 10834	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 734	Date of Summary: 30-SEP-1997	First Sample Examined: 9360
Lease Number: G13672	Source of Paleo: OPERATOR	Borehole MD: 14200
Well Name: A001	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 13863
API Well Number: 608164029300	Drilling Operator: EXXONMOBIL OIL CORPORATION	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 9360 - 14200	Water Depth: 320
Public Info Code: Y 11-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9360 / 9360	DEF AT first sample examined	DEF AT 5
9690 / 9690	DEF AT Upper Miocene (Tortonian) Cibicides trincerensis	DEF AT 5
9840 / 9840	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
10500 /10499	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12180 /12069	DEF AT poor sample interval top	DEF AT 5
12870 /12676	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14199 /13863	DEF AT poor sample interval bottom	DEF AT 5
14200 /13864	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 734	<b>Date of Summary:</b> 01-OCT-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13672	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15730
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13922
<b>API Well Number:</b> 608164034200	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 108
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 320
<b>Public Info Code:</b> Y 13-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6824 / 6401	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10503 / 9410	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT
12185 /10790	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12945 /11427	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
14110 /12409	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
15232 /13443	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 737	Date of Summary: 25-JUN-1998	First Sample Examined: 10020
Lease Number: G16546	Source of Paleo: OPERATOR	Borehole MD: 12260
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12260
API Well Number: 608164032800	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 10020 - 12260	Water Depth: 656
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 /10020	DEF AT first sample examined	DEF AT
10710 /10710	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10920 /10920	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
12260 /12260	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 737	Date of Summary: 26-JUN-1998	First Sample Examined: 1800
Lease Number: G16546	Source of Paleo: OPERATOR	Borehole MD: 12260
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12260
API Well Number: 608164032800	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 1800 - 12260	Water Depth: 656
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 9710=Gyroidina scalata

MD / TVD	Paleo Top Description	Ecozone
1800 / 1800	DEF AT first sample examined	DEF IN 5
2160 / 2160	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 5
2220 / 2220	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
2490 / 2490	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
2730 / 2730	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
2880 / 2880	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
3120 / 3120	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
3270 / 3270	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
3360 / 3360	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
4620 / 4620	DEF AT - - - - -	DEF AT 6
4650 / 4650	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
4710 / 4710	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
5010 / 5010	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5160 / 5160	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9000 / 9000	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
9390 / 9390	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
9710 / 9710	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 6
10230 / 10230	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
10920 / 10920	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12260 / 12260	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 737	Date of Summary: 26-JUN-1998	First Sample Examined: 12200
Lease Number: G16546	Source of Paleo: OPERATOR	Borehole MD: 13435
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12251
API Well Number: 608164032801	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 12200 - 13435	Water Depth: 656
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 12440=rare development of Globorotalia fohsi fohsi observed - this may define the 1280 my maximum flooding surface

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12200 /11235	DEF AT first sample examined	DEF AT 6
12439 /11427	DEF AT maximum flooding surface	DEF AT 6
12440 /11428	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
13435 /12251	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 737	Date of Summary: 07-JUL-1998	First Sample Examined: 0
Lease Number: G16546	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13435
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12251
API Well Number: 608164032801	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 656
Public Info Code: Y 31-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1800 / 1800	DEF AT - - - - -	DEF AT 5
4710 / 4710	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
9390 / 8898	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
10230 / 9593	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10920 /10165	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
12440 /11428	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
12860 /11771	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 738	Date of Summary: 24-JUL-2001	First Sample Examined: 0
Lease Number: G15431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12770
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11911
API Well Number: 608164036601	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 809
Public Info Code: Y 10-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11012 /10364	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12139 /11354	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 739	Date of Summary: 28-NOV-2001	First Sample Examined: 0
Lease Number: G13055	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12042
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 10935
API Well Number: 608164036701	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 638
Public Info Code: Y 25-SEP-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11060 /10180	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 740	Date of Summary: 01-NOV-2000	First Sample Examined: 4740
Lease Number: G21156	Source of Paleo: OPERATOR	Borehole MD: 9250
Well Name: 002	Paleo Done By: PALEO SOURCE	Borehole TVD: 8926
API Well Number: 608164037100	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 4740 - 9250	Water Depth: 762
Public Info Code: Y 30-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4740 / 4644	DEF AT first sample examined	DEF IN 3
4741 / 4645	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
4860 / 4758	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
5280 / 5154	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
5550 / 5410	POS AT unconformity	DEF AT 5
5670 / 5524	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 5
5760 / 5609	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
6030 / 5866	DEF AT unconformity	DEF AT 5
6780 / 6577	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
6810 / 6606	DEF AT limestone	DEF AT 5
8010 / 7742	DEF IN Upper (Late) Miocene	DEF AT 5
8669 / 8370	DEF AT glauconite	DEF AT 5
8670 / 8371	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
8939 / 8629	DEF AT limestone	DEF AT 5
8940 / 8630	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
9250 / 8926	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 741	Date of Summary: 04-MAR-1996	First Sample Examined: 8010
Lease Number: G13059	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11798
API Well Number: 608164023300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8010 - 11800	Water Depth: 689
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8009	DEF AT first sample examined	DEF AT
8011 / 8010	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8190 / 8189	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8280 / 8279	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8370 / 8369	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8790 / 8789	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
9240 / 9239	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9570 / 9569	DEF AT floral flood	DEF AT
10110 /10108	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10350 /10348	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11460 /11458	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11520 /11518	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11670 /11668	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
11700 /11698	DEF AT out-of-place section	DEF AT
11800 /11798	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 741	Date of Summary: 26-MAR-1996	First Sample Examined: 8010
Lease Number: G13059	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11798
API Well Number: 608164023300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8010 - 11800	Water Depth: 689
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8009	DEF AT first sample examined	DEF IN 4
8040 / 8039	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
8070 / 8069	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
8100 / 8099	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
8130 / 8129	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
8160 / 8159	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
8370 / 8369	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
8430 / 8429	POS IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
8460 / 8459	DEF AT faunal change (no faunal increase)	DEF AT 4
8610 / 8609	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 4
8640 / 8639	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
8730 / 8729	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9090 / 9089	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9180 / 9179	DEF AT limestone	DEF IN 4
9390 / 9389	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
9570 / 9569	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
9780 / 9778	DEF AT faunal change (no faunal increase)	DEF IN 4
10020 /10018	DEF AT -----	DEF IN 3
10110 /10108	DEF AT -----	DEF AT 4
10200 /10198	DEF AT -----	DEF IN 4
10290 /10288	DEF AT -----	DEF AT 4
10320 /10318	DEF AT pyrite	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 741	Date of Summary: 26-MAR-1996	First Sample Examined: 8010
Lease Number: G13059	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11798
API Well Number: 608164023300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8010 - 11800	Water Depth: 689
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 /10498	DEF AT -----	DEF AT 5
10530 /10528	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
10620 /10618	DEF AT -----	DEF IN 4
10680 /10678	DEF AT -----	DEF AT 5
10890 /10888	DEF AT local marker foram increase	DEF AT 5
11040 /11038	DEF AT -----	DEF AT 4
11160 /11158	DEF AT -----	DEF IN 4
11220 /11218	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
11250 /11248	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
11280 /11278	DEF AT -----	DEF IN 5
11310 /11308	DEF AT foram flood	DEF IN 5
11430 /11428	DEF AT -----	DEF AT 5
11460 /11458	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
11638 /11636	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
11639 /11637	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11640 /11638	POS AT Lower Miocene (Aquitanean) Globorotalia kugleri	DEF AT 5
11669 /11667	DEF AT out-of-place section	DEF AT 5
11670 /11668	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 5
11671 /11669	POS IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
11800 /11798	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 742  
Lease Number: G13988  
Well Name: 001  
API Well Number: 608164028900  
Paleo Report Num: 1 of 2  
Public Info Code: Y 07-SEP-2007

Date of Summary: 31-JUL-1997  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 2350 - 11064  
Ecozone Eq MMS: Y

First Sample Examined: 2350  
Borehole MD: 11064  
Borehole TVD: 10595  
Rkb Elevation: 80  
Water Depth: 1004  
Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2350 / 2350	DEF AT first sample examined	DEF AT 4
2351 / 2351	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
2380 / 2380	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
2590 / 2590	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
3010 / 3010	DEF AT local marker foram increase	POS AT 4
3160 / 3160	DEF AT faunal change (no faunal increase)	DEF IN 3
3190 / 3190	DEF AT faunal change (no faunal increase)	POS AT 4
3220 / 3220	DEF AT faunal change (no faunal increase)	POS IN 3
3248 / 3248	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
3249 / 3249	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 4
3250 / 3250	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 4
3400 / 3400	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
3520 / 3520	DEF AT local marker planktic foram increase	DEF AT 4
4030 / 4030	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
4120 / 4120	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
4150 / 4150	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
4240 / 4240	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
4960 / 4960	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
5440 / 5440	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
5800 / 5800	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 4
5830 / 5830	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
5860 / 5860	DEF AT limestone	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 742	<b>Date of Summary:</b> 31-JUL-1997	<b>First Sample Examined:</b> 2350
<b>Lease Number:</b> G13988	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11064
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10595
<b>API Well Number:</b> 608164028900	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2350 - 11064	<b>Water Depth:</b> 1004
<b>Public Info Code:</b> Y 07-SEP-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5950 / 5950	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
6010 / 6010	DEF AT local marker benthic foram increase	DEF AT 4
6130 / 6130	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
6280 / 6280	DEF AT Cyclammina sp. (local marker)	DEF AT 4
6550 / 6548	DEF AT faunal change (no faunal increase)	DEF IN 3
6670 / 6666	DEF AT faunal change (no faunal increase)	DEF AT 4
6730 / 6725	DEF AT local marker foram increase	DEF AT 4
6760 / 6754	DEF AT local marker benthic foram increase	DEF AT 4
7090 / 7073	DEF AT faunal change (no faunal increase)	DEF IN 3
7240 / 7214	DEF AT faunal change (no faunal increase)	POS AT 4
7270 / 7241	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
7810 / 7726	DEF AT faunal change (no faunal increase)	DEF AT 3
8080 / 7964	DEF AT Arenaceous fauna (local marker)	DEF AT 3
8170 / 8043	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 3
8260 / 8123	POS AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 3
8350 / 8203	POS IN Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
8440 / 8284	DEF AT faunal change (no faunal increase)	DEF AT 4
8470 / 8311	DEF AT faunal change (no faunal increase)	DEF IN 3
8560 / 8391	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3
9130 / 8896	POS AT local marker planktic foram increase	DEF IN 3
9250 / 9002	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
9340 / 9081	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
9430 / 9161	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9610 / 9319	DEF AT faunal change (no faunal increase)	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 742	<b>Date of Summary:</b> 31-JUL-1997	<b>First Sample Examined:</b> 2350
<b>Lease Number:</b> G13988	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11064
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10595
<b>API Well Number:</b> 608164028900	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2350 - 11064	<b>Water Depth:</b> 1004
<b>Public Info Code:</b> Y 07-SEP-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9970 / 9636	DEF AT local marker foram increase	DEF AT 4
10060 / 9715	DEF AT faunal change (no faunal increase)	DEF IN 3
10239 / 9872	DEF AT local marker benthic foram increase	DEF IN 3
10240 / 9873	DEF AT Cyclammia cancellata (local marker)	DEF IN 3
10270 / 9899	DEF AT faunal change (no faunal increase)	DEF AT 4
10480 /10083	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
10630 /10214	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
10660 /10240	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
10900 /10451	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
11020 /10556	DEF AT limestone	DEF AT 5
11064 /10595	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 742	<b>Date of Summary:</b> 14-AUG-1997	<b>First Sample Examined:</b> 2350
<b>Lease Number:</b> G13988	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11064
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10595
<b>API Well Number:</b> 608164028900	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2350 - 11064	<b>Water Depth:</b> 1004
<b>Public Info Code:</b> Y 07-SEP-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2350 / 2350	DEF AT first sample examined	DEF AT
2351 / 2351	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
2410 / 2410	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
2590 / 2590	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
2650 / 2650	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3310 / 3310	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
3430 / 3430	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
3550 / 3550	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4090 / 4090	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4870 / 4870	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
5050 / 5050	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
5710 / 5710	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
5890 / 5890	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6010 / 6010	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7030 / 7016	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7330 / 7297	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8170 / 8043	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8230 / 8097	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8350 / 8203	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8950 / 8738	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
9250 / 9002	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9430 / 9161	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 742	<b>Date of Summary:</b> 14-AUG-1997	<b>First Sample Examined:</b> 2350
<b>Lease Number:</b> G13988	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11064
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10595
<b>API Well Number:</b> 608164028900	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2350 - 11064	<b>Water Depth:</b> 1004
<b>Public Info Code:</b> Y 07-SEP-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10270 / 9899	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10330 / 9951	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10510 /10109	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10930 /10477	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10990 /10530	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11064 /10595	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 742	Date of Summary: 10-SEP-1997	First Sample Examined: 5600
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 12925
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9756
API Well Number: 608164028901	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 5600 - 12925	Water Depth: 1004
Public Info Code: Y 01-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5600	DEF AT first sample examined	DEF AT
5601 / 5601	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
5780 / 5780	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6320 / 6314	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6740 / 6712	DEF AT local marker floral increase	DEF AT
6800 / 6768	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7220 / 7147	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7340 / 7249	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
7520 / 7396	DEF AT floral flood	DEF AT
8300 / 7959	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8360 / 7997	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
8420 / 8034	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8600 / 8138	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9260 / 8419	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10400 / 8839	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10520 / 8882	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11240 / 9139	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
11540 / 9251	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11600 / 9273	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
11840 / 9359	DEF AT floral flood	DEF AT
12320 / 9531	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12925 / 9756	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 742	Date of Summary: 17-SEP-1997	First Sample Examined: 5600
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 12925
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9756
API Well Number: 608164028901	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 5600 - 12925	Water Depth: 1004
Public Info Code: Y 01-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
5660 / 5660	DEF AT first sample examined	DEF AT 3
5690 / 5690	POS IN Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
5839 / 5839	DEF AT limestone	DEF IN 3
5840 / 5840	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
6020 / 6019	DEF AT local marker foram increase	DEF IN 3
6200 / 6197	DEF AT local marker foram increase	DEF AT 3
6740 / 6712	DEF AT local marker foram increase	DEF IN 3
6860 / 6824	DEF AT limestone	DEF IN 3
6890 / 6851	DEF AT local marker benthic foram increase	DEF IN 3
6920 / 6879	DEF AT faunal change (no faunal increase)	DEF AT 3
7310 / 7224	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
7520 / 7396	POS AT Arenaceous fauna (local marker)	DEF AT 3
7820 / 7624	DEF AT Arenaceous fauna (local marker)	DEF AT 3
8180 / 7879	DEF AT faunal change (no faunal increase)	DEF IN 2
8240 / 7919	DEF AT faunal change (no faunal increase)	DEF AT 3
8270 / 7939	DEF AT faunal change (no faunal increase)	DEF IN 3
8300 / 7959	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 3
8420 / 8034	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 3
8630 / 8154	DEF AT local marker foram increase	POS AT 4
8690 / 8186	DEF AT faunal change (no faunal increase)	DEF IN 3
8810 / 8245	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8840 / 8258	DEF AT faunal change (no faunal increase)	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 742	<b>Date of Summary:</b> 17-SEP-1997	<b>First Sample Examined:</b> 5600
<b>Lease Number:</b> G13988	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12925
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9756
<b>API Well Number:</b> 608164028901	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5600 - 12925	<b>Water Depth:</b> 1004
<b>Public Info Code:</b> Y 01-OCT-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9110 / 8366	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF IN 3
9260 / 8419	DEF AT faunal change (no faunal increase)	DEF AT 3
10460 / 8860	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
10490 / 8871	DEF AT faunal change (no faunal increase)	POS AT 4
10640 / 8924	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10760 / 8966	DEF AT faunal change (no faunal increase)	DEF IN 3
12110 / 9455	DEF AT faunal change (no faunal increase)	DEF AT 3
12170 / 9476	DEF AT faunal change (no faunal increase)	DEF IN 3
12230 / 9498	DEF AT faunal change (no faunal increase)	DEF AT 3
12320 / 9531	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12470 / 9586	DEF AT faunal change (no faunal increase)	DEF IN 3
12500 / 9597	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
12620 / 9642	DEF AT local marker foram increase	DEF AT 4
12710 / 9675	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
12770 / 9698	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 4
12860 / 9732	DEF AT limestone	DEF AT 4
12925 / 9756	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 773	Date of Summary: 19-NOV-2004	First Sample Examined: 4980
Lease Number: G01666	Source of Paleo: OPERATOR	Borehole MD: 7650
Well Name: 018	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 6153
API Well Number: 608164043201	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 4980 - 7650	Water Depth: 475
Public Info Code: Y 05-DEC-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
4980 / 4624	DEF AT first sample examined	DEF AT 2
5010 / 4644	DEF AT faunal change (no faunal increase)	DEF IN 2
5040 / 4663	DEF AT faunal change (no faunal increase)	DEF AT 2
5400 / 4892	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 2
5430 / 4912	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 2
5760 / 5115	DEF AT local marker benthic foram increase	DEF AT 3
5790 / 5132	DEF AT faunal change (no faunal increase)	DEF IN 3
5820 / 5149	DEF AT faunal change (no faunal increase)	DEF AT 3
5910 / 5199	DEF AT faunal change (no faunal increase)	DEF IN 2
5933 / 5212	DEF AT cement	POS IN 2
6720 / 5651	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 2
6930 / 5773	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
6990 / 5806	DEF AT faunal change (no faunal increase)	DEF AT 2
7170 / 5902	DEF AT local marker foram increase	DEF IN 3
7260 / 5950	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
7290 / 5966	DEF AT Arenaceous fauna (local marker)	DEF IN 3
7350 / 5998	DEF AT faunal change (no faunal increase)	DEF AT 3
7380 / 6014	DEF AT faunal change (no faunal increase)	DEF IN 3
7410 / 6030	DEF AT faunal change (no faunal increase)	DEF AT 3
7470 / 6060	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 3
7500 / 6075	DEF AT faunal change (no faunal increase)	DEF IN 3
7620 / 6137	DEF AT faunal change (no faunal increase)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 773	Date of Summary: 19-NOV-2004	First Sample Examined: 4980
Lease Number: G01666	Source of Paleo: OPERATOR	Borehole MD: 7650
Well Name: 018	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 6153
API Well Number: 608164043201	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 4980 - 7650	Water Depth: 475
Public Info Code: Y 05-DEC-2014	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD

Paleo Top Description

Ecozone

7650 / 6153

DEF AT last sample examined

DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 780	Date of Summary: 24-JAN-1996	First Sample Examined: 8000
Lease Number: G06884	Source of Paleo: OPERATOR	Borehole MD: 14600
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13563
API Well Number: 608164021200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 8000 - 14600	Water Depth: 970
Public Info Code: Y 07-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8000 / 8000	DEF AT first sample examined	DEF AT 4
8180 / 8180	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9260 / 9260	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
9530 / 9530	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
9770 / 9769	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
9860 / 9858	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
10460 /10447	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10550 /10534	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
10730 /10705	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12650 /12173	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13700 /12898	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
14420 /13427	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
14600 /13563	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> VK 780	<b>Date of Summary:</b> 24-JAN-1996	<b>First Sample Examined:</b> 9300
<b>Lease Number:</b> G06884	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15547
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12540
<b>API Well Number:</b> 608164021201	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9300 - 15840	<b>Water Depth:</b> 960
<b>Public Info Code:</b> Y 14-OCT-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, 10500=Gyroidina scalata

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9300 / 9300	DEF AT first sample examined	DEF AT 4
9840 / 9832	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
9870 / 9861	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
10410 /10331	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
10470 /10379	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
10500 /10402	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10770 /10606	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11040 /10790	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12450 /11453	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 3
13110 /11685	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
15840 /	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 780	Date of Summary: 24-JUN-1996	First Sample Examined: 0
Lease Number: G06884	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11252
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 10997
API Well Number: 608164026100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 721
Public Info Code: Y 19-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10859 /10689	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 782	<b>Date of Summary:</b> 21-JUN-1996	<b>First Sample Examined:</b> 5600
<b>Lease Number:</b> G15433	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11240
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11238
<b>API Well Number:</b> 608164026300	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5600 - 11240	<b>Water Depth:</b> 980
<b>Public Info Code:</b> Y 18-JUN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** 9650=Gyroidina scalata

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5600	DEF AT first sample examined	DEF AT 6
5601 / 5601	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6650 / 6650	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
6890 / 6890	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
8960 / 8959	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
9020 / 9019	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
9650 / 9649	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 6
9890 / 9889	DEF AT - - - - -	DEF IN 5
9950 / 9949	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
10220 /10219	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
11120 /11118	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
11240 /11238	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 783	<b>Date of Summary:</b> 08-SEP-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06886	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11790
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10106
<b>API Well Number:</b> 608164022301	<b>Drilling Operator:</b> SHELL DEEPWATER PRODUCTION INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1450
<b>Public Info Code:</b> Y 12-SEP-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8770 / 8769	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
10577 / 9843	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 783	Date of Summary: 08-SEP-1997	First Sample Examined: 0
Lease Number: G06886	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16512
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10384
API Well Number: 608164022501	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1451
Public Info Code: Y 07-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9446 / 8195	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
12424 / 9992	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 13-AUG-2001	First Sample Examined: 19520
Lease Number: G10944	Source of Paleo: OPERATOR	Borehole MD: 23991
Well Name: A018	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11550
API Well Number: 608164031400	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 154
Paleo Report Num: 1 of 2	Sample Range: 19520 - 23980	Water Depth: 1751
Public Info Code: Y 13-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Petronius Prospect, at 22940, faunal increase occurs with with no fauna observed older than Textularia W, 22970=reoccurrence of Textularia W index planktics, 23660=reoccurrence of Globorotalia peripheroacuta, 23870=increased planktics with deeper paleoecology and Globorotalia peripheroronda occurrence, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19520 / 9939	DEF AT first sample examined	DEF IN 3
19580 / 9962	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
19640 / 9984	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
19670 / 9996	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
19700 /10007	DEF AT -----	DEF AT 3
19970 /10117	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
20000 /10129	DEF AT -----	DEF IN 3
20360 /10283	DEF AT Arenaceous fauna (local marker)	DEF IN 3
20390 /10295	DEF AT -----	DEF AT 3
20420 /10307	DEF AT local marker foram decrease	DEF AT 3
20540 /10357	POS AT local marker foram increase	DEF AT 3
20750 /10440	DEF AT local marker foram increase	DEF AT 4
20810 /10462	DEF AT -----	DEF IN 3
20870 /10483	DEF AT -----	DEF AT 4
20900 /10494	DEF AT -----	DEF IN 3
20930 /10505	DEF AT -----	DEF AT 4
21050 /10546	DEF AT local marker foram decrease	DEF AT 4
21080 /10556	DEF AT -----	DEF IN 3
21140 /10577	DEF AT local marker foram increase	DEF AT 4
21200 /10596	DEF AT local marker foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786  
Lease Number: G10944  
Well Name: A018  
API Well Number: 608164031400  
Paleo Report Num: 1 of 2  
Public Info Code: Y 13-SEP-2011

Date of Summary: 13-AUG-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 19520 - 23980  
Ecozone Eq MMS: Y

First Sample Examined: 19520  
Borehole MD: 23991  
Borehole TVD: 11550  
Rkb Elevation: 154  
Water Depth: 1751  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21380 /10654	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21410 /10663	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21440 /10673	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
21470 /10682	DEF AT local marker (general)	DEF AT 4
21500 /10692	DEF AT -----	DEF IN 3
21530 /10702	DEF AT -----	DEF AT 4
21710 /10758	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21740 /10768	DEF AT local marker (general)	DEF IN 3
22100 /10883	POS AT local marker foram increase	DEF AT 4
22130 /10892	DEF AT -----	DEF IN 3
22940 /11161	DEF AT local marker foram increase	DEF AT 4
22970 /11171	DEF AT local marker planktic foram increase	DEF AT 4
23090 /11212	DEF AT local marker (general)	DEF IN 3
23360 /11298	DEF AT -----	DEF AT 4
23450 /11326	DEF AT -----	DEF IN 3
23630 /11382	DEF AT -----	DEF AT 4
23660 /11392	DEF AT local marker planktic foram increase	DEF AT 4
23840 /11450	DEF AT local marker foram increase	DEF AT 4
23870 /11460	DEF AT local marker planktic foram increase	DEF IN 4
23980 /11497	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 786	<b>Date of Summary:</b> 23-AUG-2001	<b>First Sample Examined:</b> 19520
<b>Lease Number:</b> G10944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23991
<b>Well Name:</b> A018	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11550
<b>API Well Number:</b> 608164031400	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 154
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19520 - 23980	<b>Water Depth:</b> 1751
<b>Public Info Code:</b> Y 13-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Petronius Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19520 / 9939	DEF AT first sample examined	DEF AT
19521 / 9940	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT
19640 / 9984	DEF AT local marker floral decrease	DEF AT
20000 /10129	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20060 /10155	DEF AT local marker floral decrease	DEF AT
20240 /10232	DEF AT local marker floral increase	DEF AT
20300 /10257	DEF AT local marker floral decrease	DEF AT
20780 /10451	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
20840 /10473	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20960 /10515	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
21560 /10711	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21680 /10749	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
21800 /10786	DEF AT local marker floral decrease	DEF AT
21980 /10844	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22100 /10883	DEF AT local marker floral decrease	DEF AT
22760 /11101	DEF AT local marker floral increase	DEF AT
23120 /11222	DEF AT local marker floral decrease	DEF AT
23240 /11260	DEF AT local marker floral increase	DEF AT
23540 /11354	DEF AT local marker floral decrease	DEF AT
23720 /11411	DEF AT local marker floral increase	DEF AT
23780 /11430	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23980 /11497	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 23-OCT-2000	First Sample Examined: 18500
Lease Number: G10944	Source of Paleo: OPERATOR	Borehole MD: 22004
Well Name: A019	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11583
API Well Number: 608164031500	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 154
Paleo Report Num: 1 of 2	Sample Range: 18500 - 21980	Water Depth: 1754
Public Info Code: Y 20-NOV-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18500 /10175	DEF AT first sample examined	DEF AT 4
18650 /10230	POS AT Arenaceous fauna (local marker)	DEF AT 4
19340 /10477	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 4
19370 /10488	DEF AT -----	DEF AT 4
19460 /10520	DEF AT -----	DEF IN 4
19670 /10595	DEF AT -----	DEF AT 4
19700 /10606	DEF AT gray shale	DEF AT 4
19730 /10617	DEF AT -----	DEF IN 4
19880 /10673	DEF AT -----	DEF AT 4
19940 /10695	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
20150 /10769	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
20240 /10800	DEF AT -----	DEF AT 4
20300 /10822	DEF AT -----	DEF IN 4
20330 /10832	DEF AT local marker foram increase	DEF IN 4
20360 /10843	DEF AT -----	DEF AT 4
20450 /10874	DEF AT local marker foram decrease	DEF AT 4
20900 /11030	POS AT local marker foram increase	DEF AT 4
21080 /11096	DEF AT sample gap top	DEF AT 4
21140 /11120	DEF AT sample gap bottom	DEF AT 4
21170 /11132	POS AT local marker foram increase	DEF IN 4
21260 /11170	DEF AT local marker planktic foram increase	DEF AT 6
21350 /11212	DEF AT -----	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 786	<b>Date of Summary:</b> 23-OCT-2000	<b>First Sample Examined:</b> 18500
<b>Lease Number:</b> G10944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22004
<b>Well Name:</b> A019	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11583
<b>API Well Number:</b> 608164031500	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 154
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18500 - 21980	<b>Water Depth:</b> 1754
<b>Public Info Code:</b> Y 20-NOV-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21560 /11318	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
21650 /11368	DEF AT local marker foram increase	DEF AT 6
21680 /11385	DEF AT local marker foram decrease	DEF IN 4
21740 /11420	DEF AT local marker foram increase	DEF AT 6
21860 /11492	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
21920 /11530	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
21980 /11567	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> VK 786	<b>Date of Summary:</b> 25-OCT-2001	<b>First Sample Examined:</b> 18500
<b>Lease Number:</b> G10944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22004
<b>Well Name:</b> A019	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11583
<b>API Well Number:</b> 608164031500	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 154
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18500 - 22000	<b>Water Depth:</b> 1754
<b>Public Info Code:</b> Y 20-NOV-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18500 /10175	DEF AT first sample examined	DEF AT
18800 /10284	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19040 /10370	DEF AT local marker floral decrease	DEF AT
19400 /10498	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19940 /10695	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20060 /10738	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20420 /10864	DEF AT local marker floral decrease	DEF AT
20480 /10884	DEF AT local marker floral decrease	DEF AT
21260 /11170	DEF AT local marker floral increase	DEF AT
21380 /11227	DEF AT local marker floral increase	DEF AT
21800 /11456	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21940 /11542	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
21980 /11567	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22000 /11580	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 25-JUL-1995	First Sample Examined: 3160
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10850
API Well Number: 608164021100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 3160 - 10854	Water Depth: 1754
Public Info Code: Y 13-AUG-2005	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Petroneus Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3160 / 3156	DEF AT first sample examined	DEF AT
3161 / 3157	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
3280 / 3276	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
3400 / 3396	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
3520 / 3516	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3640 / 3636	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
3700 / 3696	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
4180 / 4176	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4240 / 4236	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4540 / 4536	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
5140 / 5136	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5260 / 5256	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
5620 / 5616	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5980 / 5976	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6820 / 6816	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
7180 / 7176	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7240 / 7236	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8380 / 8376	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8440 / 8436	DEF AT floral flood	DEF AT
8500 / 8496	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
8860 / 8856	DEF AT local marker floral increase	DEF AT
9160 / 9156	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 786	<b>Date of Summary:</b> 25-JUL-1995	<b>First Sample Examined:</b> 3160
<b>Lease Number:</b> G12119	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10854
<b>Well Name:</b> A001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10850
<b>API Well Number:</b> 608164021100	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3160 - 10854	<b>Water Depth:</b> 1754
<b>Public Info Code:</b> Y 13-AUG-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9340 / 9336	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10120 /10116	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10854 /10850	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 25-AUG-1995	First Sample Examined: 3160
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10850
API Well Number: 608164021100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 3160 - 10854	Water Depth: 1754
Public Info Code: Y 13-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Petroneus Prospect

MD / TVD	Paleo Top Description	Ecozone
3160 / 3156	DEF AT first sample examined	DEF AT 5
3161 / 3157	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
3280 / 3276	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
3400 / 3396	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
3490 / 3486	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
3550 / 3546	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
3670 / 3666	DEF AT foram flood	DEF AT 5
3760 / 3756	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 4
4120 / 4116	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 4
4180 / 4176	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
4540 / 4536	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
4750 / 4746	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
5080 / 5076	DEF AT faunal change (no faunal increase)	DEF IN 3
5110 / 5106	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 3
5260 / 5256	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
5290 / 5286	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
5560 / 5556	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 3
5830 / 5826	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
5950 / 5946	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 3
6010 / 6006	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 3
6310 / 6306	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
6370 / 6366	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 25-AUG-1995	First Sample Examined: 3160
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10850
API Well Number: 608164021100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 3160 - 10854	Water Depth: 1754
Public Info Code: Y 13-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6400 / 6396	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
7000 / 6996	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
7150 / 7146	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF IN 3
7240 / 7236	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
7390 / 7386	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
7810 / 7806	DEF AT local marker benthic foram increase	DEF AT 3
7840 / 7836	DEF AT local marker planktic foram increase	DEF AT 3
8020 / 8016	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 2
8170 / 8166	DEF AT Upper Miocene (Tortonian) Cibicides crebbi	DEF IN 2
8260 / 8256	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
8380 / 8376	DEF AT Arenaceous fauna (local marker)	DEF AT 3
8440 / 8436	DEF AT local marker planktic foram increase	DEF AT 3
8530 / 8526	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
8590 / 8586	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
8680 / 8676	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
8950 / 8946	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF AT 3
9100 / 9096	DEF AT local marker deep water fauna	DEF IN 3
9190 / 9186	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9280 / 9276	DEF AT local marker benthic foram increase	DEF AT 4
9340 / 9336	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
9580 / 9576	DEF AT Cyclamina cancellata (local marker)	DEF IN 3
9670 / 9666	DEF AT faunal change (no faunal increase)	DEF AT 3
9940 / 9936	DEF AT Eggerella sp. (local marker)	DEF IN 3
10000 / 9996	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 786	<b>Date of Summary:</b> 25-AUG-1995	<b>First Sample Examined:</b> 3160
<b>Lease Number:</b> G12119	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10854
<b>Well Name:</b> A001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10850
<b>API Well Number:</b> 608164021100	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 73
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3160 - 10854	<b>Water Depth:</b> 1754
<b>Public Info Code:</b> Y 13-AUG-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10090 /10086	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 4
10570 /10566	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
10599 /10595	DEF AT foram flood	DEF AT 5
10600 /10596	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
10689 /10685	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
10690 /10686	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
10750 /10746	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
10809 /10805	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 5
10810 /10806	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
10854 /10850	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 15-JAN-1996	First Sample Examined: 5356
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 11554
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10487
API Well Number: 608164022600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 5356 - 11546	Water Depth: 1754
Public Info Code: Y 17-JAN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Petronius Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5356 / 5356	DEF AT first sample examined	DEF AT
5357 / 5357	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5656 / 5655	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6016 / 6003	DEF AT Upper Miocene (Messinian) Discoaster quinquerus	DEF AT
6196 / 6169	DEF AT sample gap top	DEF AT
6666 / 6573	DEF AT sample gap bottom	DEF AT
7026 / 6866	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
7446 / 7201	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8886 / 8352	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9126 / 8543	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
9586 / 8906	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9646 / 8954	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10126 / 9332	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10606 / 9713	DEF AT local marker floral decrease	DEF AT
10726 / 9807	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10946 / 9983	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11146 /10146	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
11336 /10304	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
11396 /10354	DEF AT Upper Oligocene (Chatian) Dictyococcites bisectus	DEF AT
11456 /10405	DEF AT local marker floral decrease	DEF AT
11545 /10480	DEF AT reworked material	DEF AT
11546 /10481	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 17-JAN-1996	First Sample Examined: 5356
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 11554
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10487
API Well Number: 608164022600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 5356 - 11546	Water Depth: 1754
Public Info Code: Y 17-JAN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Petronius Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5356 / 5356	DEF AT first sample examined	DEF AT 4
5357 / 5357	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
5416 / 5416	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
5596 / 5595	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
5626 / 5625	DEF AT local marker benthic foram increase	DEF AT 3
5656 / 5655	DEF AT faunal change (no faunal increase)	DEF IN 3
6016 / 6003	POS AT reworked material	DEF IN 3
6166 / 6142	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
6196 / 6169	DEF AT sample gap top	POS IN 3
6666 / 6573	DEF AT sample gap bottom	DEF IN 3
7026 / 6866	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
7056 / 6890	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
7266 / 7058	DEF AT local marker benthic foram increase	DEF IN 3
8896 / 8360	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
9106 / 8527	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3
9586 / 8906	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9646 / 8954	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
9766 / 9048	DEF AT faunal change (no faunal increase)	DEF IN 3
9796 / 9071	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10736 / 9815	DEF AT glauconite	DEF AT 4
10766 / 9839	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
10826 / 9886	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 786	<b>Date of Summary:</b> 17-JAN-1996	<b>First Sample Examined:</b> 5356
<b>Lease Number:</b> G12119	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11554
<b>Well Name:</b> A002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10487
<b>API Well Number:</b> 608164022600	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5356 - 11546	<b>Water Depth:</b> 1754
<b>Public Info Code:</b> Y 17-JAN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10856 / 9910	DEF AT shell fragments	DEF IN 4
10886 / 9934	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
10946 / 9983	DEF AT foram flood	DEF AT 5
10976 /10007	DEF AT out-of-place section	DEF AT 5
11005 /10031	DEF AT limestone	DEF AT 5
11006 /10032	DEF AT foram flood	DEF AT 5
11007 /10032	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11246 /10229	DEF AT local marker foram decrease	DEF AT 5
11275 /10253	POS AT reworked material	POS AT 5
11276 /10254	POS AT Upper (Late) Cretaceous	POS AT 5
11306 /10279	DEF AT limestone	DEF AT 5
11366 /10329	DEF AT limestone	DEF AT 5
11546 /10481	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 02-FEB-1996	First Sample Examined: 5500
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11324
API Well Number: 608164022601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 5500 - 14020	Water Depth: 1754
Public Info Code: Y 19-FEB-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Petronius Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 5500	DEF AT first sample examined	DEF AT
5501 / 5501	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5620 / 5619	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6100 / 6087	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7120 / 6972	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7540 / 7256	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8980 / 8166	DEF AT local marker floral decrease	DEF AT
9520 / 8514	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10360 / 9059	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10420 / 9098	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10660 / 9251	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10960 / 9441	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12040 /10113	DEF AT local marker floral decrease	DEF AT
12639 /10466	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12640 /10466	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
13000 /10680	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13840 /11198	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
14020 /11306	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 07-FEB-1996	First Sample Examined: 5500
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11324
API Well Number: 608164022601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 5500 - 14050	Water Depth: 1754
Public Info Code: Y 19-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Petronius Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 5500	DEF AT first sample examined	DEF AT 3
5501 / 5501	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
5619 / 5618	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 3
5620 / 5619	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 3
5680 / 5679	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 3
5830 / 5826	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
6070 / 6058	DEF AT local marker benthic foram increase	DEF IN 3
6100 / 6087	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 3
6550 / 6505	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
6940 / 6833	DEF AT Cyclamina sp. (local marker)	DEF AT 3
7240 / 7059	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
7330 / 7119	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
7540 / 7256	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
9220 / 8320	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
9490 / 8495	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
9610 / 8573	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
10450 / 9117	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
10630 / 9232	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
11320 / 9680	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
12530 /10401	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
12899 /10620	DEF AT pyrite	DEF AT 3
12900 /10620	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786  
Lease Number: G12119  
Well Name: A002  
API Well Number: 608164022601  
Paleo Report Num: 2 of 2  
Public Info Code: Y 19-FEB-2006

Date of Summary: 07-FEB-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 5500 - 14050  
Ecozone Eq MMS: Y

First Sample Examined: 5500  
Borehole MD: 14050  
Borehole TVD: 11324  
Rkb Elevation: 84  
Water Depth: 1754  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13039 /10704	DEF AT pyrite	DEF AT 3
13040 /10705	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
13260 /10842	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13280 /10854	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
13300 /10867	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
13740 /11137	DEF AT foram flood	DEF AT 5
13820 /11185	DEF AT local marker planktic foram increase	DEF AT 5
13840 /11198	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
13860 /11210	DEF AT limestone	DEF AT 5
14050 /11325	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 786	<b>Date of Summary:</b> 11-MAR-1996	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G12119	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16695
<b>Well Name:</b> A003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 11085
<b>API Well Number:</b> 608164022700	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8010 - 16700	<b>Water Depth:</b> 1754
<b>Public Info Code:</b> Y 30-MAR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Petroneus Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6437	DEF AT first sample examined	DEF AT
8011 / 6437	DEF IN floral flood	DEF AT
8012 / 6438	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8250 / 6569	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8730 / 6828	POS AT local marker floral decrease	DEF AT
8790 / 6859	DEF AT floral flood	DEF AT
9500 / 7231	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10770 / 7898	POS AT local marker floral decrease	DEF AT
12030 / 8574	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13200 / 9201	DEF AT Upper Miocene (Tortonian) Catinaster coalitus (very rare)	DEF AT
13260 / 9232	POS AT local marker floral decrease	DEF AT
13680 / 9455	DEF AT floral flood	DEF AT
13920 / 9588	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14940 /10133	DEF AT local marker floral decrease	DEF AT
15120 /10231	DEF AT floral flood	DEF AT
15360 /10363	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15420 /10396	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15540 /10462	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16140 /10787	DEF AT local marker floral decrease	DEF AT
16700 /	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 18-MAR-1996	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 16695
Well Name: A003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11085
API Well Number: 608164022700	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 8010 - 16700	Water Depth: 1754
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Petroneus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6437	DEF AT first sample examined	DEF AT 3
8011 / 6437	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
8130 / 6503	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
9540 / 7252	DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
9570 / 7268	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
9660 / 7316	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
10320 / 7664	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF IN 3
11340 / 8199	DEF AT faunal change (no faunal increase)	DEF AT 3
11880 / 8492	DEF AT Eggerella sp. (local marker)	DEF AT 3
12330 / 8737	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
13890 / 9572	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
14070 / 9670	DEF AT local marker benthic foram increase	DEF AT 3
15540 / 10462	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
15900 / 10657	DEF AT faunal change (no faunal increase)	DEF AT 4
16700 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 11-FEB-1998	First Sample Examined: 7970
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 12700
Well Name: A005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10747
API Well Number: 608164030100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 7970 - 12700	Water Depth: 1754
Public Info Code: Y 02-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Petroneus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7970 / 7081	DEF AT first sample examined	DEF AT 3
8030 / 7127	DEF AT -----	DEF IN 3
8150 / 7220	DEF AT -----	DEF AT 3
8210 / 7266	DEF AT -----	DEF IN 3
8330 / 7359	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
8750 / 7686	DEF AT -----	DEF AT 3
8870 / 7779	DEF AT -----	DEF AT 3
8990 / 7871	DEF AT -----	DEF IN 2
9150 / 7995	DEF AT -----	POS AT 3
9580 / 8327	DEF AT -----	POS IN 2
9700 / 8420	DEF AT -----	DEF AT 2
9730 / 8444	DEF AT -----	POS IN 2
9760 / 8467	DEF AT -----	DEF AT 3
9820 / 8513	DEF AT -----	POS IN 3
9849 / 8536	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	POS IN 3
9850 / 8537	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	POS IN 3
10000 / 8654	DEF AT -----	POS AT 3
10390 / 8955	DEF IN Upper Miocene (Tortonian) Textularia "L"	POS AT 3
10660 / 9163	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
10750 / 9232	DEF AT Eggerella sp. (local marker)	DEF IN 3
10780 / 9255	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10930 / 9370	DEF AT local marker deep water fauna	DEF AT 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786  
Lease Number: G12119  
Well Name: A005  
API Well Number: 608164030100  
Paleo Report Num: 1 of 2  
Public Info Code: Y 02-MAR-2008

Date of Summary: 11-FEB-1998  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 7970 - 12700  
Ecozone Eq MMS: Y

First Sample Examined: 7970  
Borehole MD: 12700  
Borehole TVD: 10747  
Rkb Elevation: 80  
Water Depth: 1754  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11140 / 9531	DEF AT -----	DEF AT 3
11440 / 9763	DEF AT -----	POS IN 3
11650 / 9925	DEF AT -----	POS AT 3
11800 /10040	DEF AT -----	DEF IN 2
11860 /10087	DEF AT -----	DEF AT 3
11890 /10110	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
12010 /10204	POS AT local marker foram increase	DEF AT 3
12070 /10251	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 3
12130 /10298	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
12220 /10368	DEF AT local marker deep water fauna	DEF AT 4
12340 /10463	DEF AT -----	DEF IN 3
12460 /10558	DEF AT local marker deep water fauna	DEF AT 4
12490 /10581	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
12550 /10629	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
12580 /10652	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
12670 /10724	DEF AT limestone	DEF IN 4
12700 /10747	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 11-FEB-1998	First Sample Examined: 7970
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 12700
Well Name: A005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10747
API Well Number: 608164030100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 7970 - 12700	Water Depth: 1754
Public Info Code: Y 02-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Petroneus Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7970 / 7081	DEF AT first sample examined	DEF AT
7971 / 7082	DEF IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8209 / 7265	DEF AT floral flood	DEF AT
8210 / 7266	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
9639 / 8373	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9640 / 8374	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9700 / 8420	DEF AT floral flood	DEF AT
9939 / 8606	DEF AT floral flood	DEF AT
9940 / 8607	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10480 / 9024	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10720 / 9209	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10780 / 9255	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
10840 / 9301	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11799 /10040	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11800 /10040	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
11920 /10134	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12460 /10558	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12520 /10605	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
12580 /10652	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
12640 /10700	DEF AT floral flood	DEF AT
12700 /10747	DEF AT last sample examined	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 30-JAN-1998	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11054
API Well Number: 608164030200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 8010 - 13552	Water Depth: 1751
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Petroneus Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6961	DEF AT first sample examined	DEF AT
8011 / 6962	DEF IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8130 / 7051	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8550 / 7364	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8850 / 7586	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10170 / 8556	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10230 / 8600	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10710 / 8957	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10890 / 9090	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11250 / 9358	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11490 / 9537	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
11730 / 9715	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
11790 / 9760	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11910 / 9849	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
12390 /10207	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12450 /10251	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12570 /10341	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
12630 /10385	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13552 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786	Date of Summary: 05-MAR-1998	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11054
API Well Number: 608164030200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 8010 - 13552	Water Depth: 1751
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Petroneus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6961	DEF AT first sample examined	DEF AT 3
8011 / 6962	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
8220 / 7118	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8730 / 7497	DEF AT - - - - -	DEF AT 2
8850 / 7586	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
9030 / 7717	DEF AT - - - - -	DEF AT 2
9900 / 8357	DEF AT Arenaceous fauna (local marker)	DEF AT 2
10200 / 8578	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
10470 / 8779	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
10740 / 8979	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
10950 / 9134	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11130 / 9269	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11220 / 9336	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11490 / 9537	DEF AT - - - - -	DEF AT 4
11640 / 9648	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11850 / 9805	DEF AT - - - - -	DEF AT 3
12390 / 10207	DEF AT reworked material	DEF AT 3
12450 / 10251	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12540 / 10318	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
12690 / 10429	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
12720 / 10452	DEF AT - - - - -	DEF AT 4
12780 / 10496	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 786  
 Lease Number: G12119  
 Well Name: A006  
 API Well Number: 608164030200  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 14-FEB-2008

Date of Summary: 05-MAR-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: TEXACO EXPLORATION AND PROD  
 Sample Range: 8010 - 13552  
 Ecozone Eq MMS: Y

First Sample Examined: 8010  
 Borehole MD: 13550  
 Borehole TVD: 11054  
 Rkb Elevation: 80  
 Water Depth: 1751  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12870 /10562	DEF AT -----	DEF AT 3
13140 /10759	DEF AT -----	DEF AT 4
13170 /10781	DEF AT local marker foram increase	DEF AT 4
13469 /10996	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
13470 /10997	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
13552 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 817	Date of Summary: 15-DEC-1995	First Sample Examined: 0
Lease Number: G09743	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5850
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 4723
API Well Number: 608164021500	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 670
Public Info Code: Y 12-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4569 / 3870	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4962 / 4131	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 817	Date of Summary: 11-JAN-2005	First Sample Examined: 10040
Lease Number: G09743	Source of Paleo: OPERATOR	Borehole MD: 14495
Well Name: A001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11333
API Well Number: 608164021503	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 163
Paleo Report Num: 1 of 1	Sample Range: 10040 - 14495	Water Depth: 673
Public Info Code: Y 08-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10040 / 7338	DEF AT first sample examined	DEF AT 3
10100 / 7385	DEF AT -----	DEF IN 3
10130 / 7409	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
10190 / 7457	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
10220 / 7482	DEF AT -----	DEF AT 3
10250 / 7507	DEF AT -----	DEF IN 3
10280 / 7532	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 4
10310 / 7557	DEF AT -----	DEF IN 3
10340 / 7581	DEF AT -----	POS AT 4
10460 / 7677	DEF AT Arenaceous fauna (local marker)	POS AT 4
10520 / 7724	DEF AT local marker benthic foram increase	POS AT 4
10550 / 7746	DEF AT -----	DEF AT 3
10670 / 7837	DEF AT -----	POS AT 4
10760 / 7904	POS AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 4
10820 / 7948	DEF AT -----	DEF AT 3
10850 / 7971	DEF AT -----	POS AT 4
11150 / 8195	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
11180 / 8218	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF IN 3
11210 / 8242	DEF AT -----	POS AT 4
11240 / 8265	DEF AT -----	DEF AT 6
11270 / 8289	DEF AT -----	POS AT 4
11570 / 8542	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 817	Date of Summary: 11-JAN-2005	First Sample Examined: 10040
Lease Number: G09743	Source of Paleo: OPERATOR	Borehole MD: 14495
Well Name: A001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11333
API Well Number: 608164021503	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 163
Paleo Report Num: 1 of 1	Sample Range: 10040 - 14495	Water Depth: 673
Public Info Code: Y 08-JAN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11780 / 8730	DEF AT -----	DEF IN 3
11870 / 8813	DEF AT -----	DEF AT 4
11900 / 8841	DEF AT -----	DEF AT 5
11990 / 8924	DEF AT -----	DEF AT 4
12020 / 8953	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
12050 / 8981	DEF AT -----	DEF AT 4
12110 / 9037	DEF AT -----	DEF IN 3
12200 / 9122	DEF AT -----	DEF AT 3
12230 / 9151	DEF AT -----	DEF IN 3
12320 / 9237	DEF AT -----	POS AT 4
12350 / 9266	DEF AT -----	DEF AT 3
12410 / 9324	DEF AT -----	POS AT 4
12440 / 9353	DEF AT -----	DEF IN 3
12530 / 9439	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF IN 3
12590 / 9497	DEF AT Bathysiphon fauna	DEF IN 3
12620 / 9526	DEF AT -----	DEF AT 4
12650 / 9555	DEF AT -----	DEF IN 3
12680 / 9585	DEF AT -----	DEF AT 4
12710 / 9614	DEF AT -----	DEF IN 3
12740 / 9643	DEF AT -----	DEF AT 4
12800 / 9702	DEF AT local marker planktic foram increase	DEF AT 5
12860 / 9760	DEF AT -----	DEF IN 3
12920 / 9818	POS AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
13050 / 9944	DEF AT -----	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 817	<b>Date of Summary:</b> 11-JAN-2005	<b>First Sample Examined:</b> 10040
<b>Lease Number:</b> G09743	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14495
<b>Well Name:</b> A001	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 11333
<b>API Well Number:</b> 608164021503	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 163
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10040 - 14495	<b>Water Depth:</b> 673
<b>Public Info Code:</b> Y 08-JAN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13070 / 9963	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13100 / 9992	DEF AT -----	DEF AT 5
13160 /10050	DEF AT -----	DEF IN 3
13220 /10107	DEF AT -----	DEF AT 4
13310 /10192	DEF AT -----	DEF IN 3
13370 /10250	DEF AT -----	POS AT 4
13430 /10307	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
13550 /10424	DEF AT -----	DEF AT 5
13580 /10453	DEF AT -----	DEF AT 4
13760 /10628	DEF AT -----	DEF IN 3
13940 /10802	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14150 /11004	DEF AT local marker foram increase	DEF AT 5
14180 /11033	DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 5
14210 /11061	DEF AT -----	DEF IN 3
14270 /11119	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14300 /11147	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
14360 /11205	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14450 /11290	DEF AT -----	DEF AT 4
14495 /11333	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 817	Date of Summary: 04-MAR-1996	First Sample Examined: 0
Lease Number: G09743	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4937
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 4662
API Well Number: 608164023000	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 670
Public Info Code: Y 24-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4016 / 3941	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4321 / 4178	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 818	Date of Summary: 02-JUN-1995	First Sample Examined: 3000
Lease Number: G13063	Source of Paleo: OPERATOR	Borehole MD: 19469
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19455
API Well Number: 608164020800	Drilling Operator: TATHAM OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 1 of 4	Sample Range: 3000 - 17670	Water Depth: 689
Public Info Code: Y 01-JAN-2000	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
3000 / 3000	DEF AT first sample examined	DEF AT
3001 / 3001	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
4500 / 4500	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
4920 / 4920	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6540 / 6540	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
8010 / 8009	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10470 /10468	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
10800 /10798	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11280 /11278	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11610 /11608	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12270 /12267	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12810 /12807	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
13140 /13137	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14850 /14846	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16440 /16430	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17070 /17059	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17280 /17269	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
17281 /17270	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
17550 /17538	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17640 /17628	POS AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
17670 /17658	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 818	Date of Summary: 02-JUN-1995	First Sample Examined: 17400
Lease Number: G13063	Source of Paleo: OPERATOR	Borehole MD: 19469
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19455
API Well Number: 608164020800	Drilling Operator: TATHAM OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 2 of 4	Sample Range: 17400 - 19469	Water Depth: 689
Public Info Code: Y 01-JAN-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report for bypass 1, earliest Cenomanian based on absence of *Braarudosphaera africana*, not observed possibly due to poor slide quality in the Lower part of this interval

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17400 /17389	DEF AT first sample examined	DEF AT
17401 /17390	POS AT Lower Oligocene (Rupelian) <i>Sphenolithus predistentus</i>	DEF AT
17402 /17391	DEF AT Upper Oligocene (Chattian) <i>Dictyococcites bisectus</i>	DEF AT
17403 /17392	DEF AT Upper Oligocene (Chattian) <i>Sphenolithus ciproensis</i> (very rare)	DEF AT
17670 /17658	POS AT Upper Eocene (Priabonian) <i>Discoaster barbadiensis</i>	DEF AT
18420 /18407	DEF AT Upper Cretaceous (Maastrichtian) <i>Micula murus</i> (FAD)	DEF AT
18810 /18797	POS IN Upper Cretaceous (Campanian) <i>Reinhardites anthophorus</i> "B"	DEF AT
18960 /18947	DEF AT Upper Cretaceous (Turonian) <i>Parhabdololithus asper</i>	DEF AT
19469 /19455	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 818	Date of Summary: 02-JUN-1995	First Sample Examined: 3000
Lease Number: G13063	Source of Paleo: OPERATOR	Borehole MD: 19469
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19455
API Well Number: 608164020800	Drilling Operator: TATHAM OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 3 of 4	Sample Range: 3000 - 17670	Water Depth: 689
Public Info Code: Y 01-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 004

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3000 / 3000	DEF AT first sample examined	DEF AT 3
3060 / 3060	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
3270 / 3270	DEF AT - - - - -	DEF AT 4
3840 / 3840	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
3990 / 3990	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
4260 / 4260	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
8010 / 8009	DEF AT - - - - -	DEF AT 5
8100 / 8099	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
10470 /10468	DEF AT - - - - -	POS AT 6
11190 /11188	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 6
12150 /12147	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
12720 /12717	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
12750 /12747	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
13110 /13107	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
14790 /14786	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 6
16590 /16580	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
17130 /17119	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
17460 /17449	DEF AT - - - - -	DEF AT 5
17610 /17598	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
17640 /17628	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
17670 /17658	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 818	Date of Summary: 02-JUN-1995	First Sample Examined: 17400
Lease Number: G13063	Source of Paleo: OPERATOR	Borehole MD: 19469
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19455
API Well Number: 608164020800	Drilling Operator: TATHAM OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 4 of 4	Sample Range: 17400 - 19469	Water Depth: 689
Public Info Code: Y 01-JAN-2000	Ecozone Eq MMS: Y	Paleo ID: 005

Remark: Bypass 1 report, 17970=Globorotalia pseudotopilensis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17400 /17389	DEF AT first sample examined	DEF AT 5
17401 /17390	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
17880 /17868	POS AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 5
17970 /17958	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT 5
18209 /18197	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 5
18210 /18198	DEF AT Paleocene Midway Group/Provincial Stage	DEF AT 5
18390 /18377	DEF AT Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	DEF AT 4
18510 /18497	POS AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT 4
18690 /18677	POS AT Upper Cretaceous (Santonian) Dicarinella concavata	DEF AT 4
18780 /18767	POS AT Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF AT 3
19290 /19276	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 3
19350 /19336	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 3
19469 /19455	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 01-JUN-1996	First Sample Examined: 3100
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 14848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14490
API Well Number: 608164018000	Drilling Operator: BP Exploration Inc.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3100 - 14133	Water Depth: 1209
Public Info Code: Y 31-JAN-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3100 / 3100	DEF AT first sample examined	DEF AT 5
3400 / 3400	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
4750 / 4750	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
5800 / 5800	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
6181 / 6181	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
6490 / 6490	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
8740 / 8738	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
9100 / 9095	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
10570 /10514	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
10980 /10911	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
11410 /11329	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
12220 /12109	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 5
12460 /12335	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12670 /12530	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14020 /13751	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
14133 /13851	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 823	<b>Date of Summary:</b> 01-JUN-1996	<b>First Sample Examined:</b> 12301
<b>Lease Number:</b> G10942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14848
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14490
<b>API Well Number:</b> 608164018000	<b>Drilling Operator:</b> BP Exploration Inc.	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12301 - 14800	<b>Water Depth:</b> 1209
<b>Public Info Code:</b> Y 31-JAN-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12301 /12186	DEF AT first sample examined	DEF AT 5
12302 /12187	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12670 /12530	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14800 /14440	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 06-MAY-1997	First Sample Examined: 3105
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 13312
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13308
API Well Number: 608164028100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 71
Paleo Report Num: 1 of 2	Sample Range: 3105 - 13312	Water Depth: 1132
Public Info Code: Y 01-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3105 / 3105	DEF AT first sample examined	DEF AT 5
3280 / 3280	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
3640 / 3640	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
3850 / 3850	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
3880 / 3880	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
5410 / 5410	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5740 / 5740	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
5770 / 5770	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6760 / 6760	DEF AT -----	DEF AT 5
7720 / 7720	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
8200 / 8200	DEF AT -----	DEF AT 4
8320 / 8320	DEF AT -----	DEF AT 3
10210 /10210	DEF AT foram flood	DEF AT 3
11020 /11019	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
11650 /11649	DEF AT -----	DEF AT 4
13312 /13308	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 20-MAY-1997	First Sample Examined: 7510
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 13312
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13308
API Well Number: 608164028100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 71
Paleo Report Num: 2 of 2	Sample Range: 7510 - 13312	Water Depth: 1132
Public Info Code: Y 01-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7510 / 7510	DEF AT first sample examined	DEF AT
7630 / 7630	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8769 / 8769	DEF AT condensed section	DEF AT
8770 / 8770	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10209 /10209	DEF AT floral flood	DEF AT
10210 /10210	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10929 /10928	DEF AT condensed section	DEF AT
10930 /10929	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11349 /11348	DEF AT floral flood	DEF AT
11350 /11349	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12159 /12158	DEF AT floral flood	DEF AT
12160 /12159	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12340 /12339	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
13312 /13308	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 05-NOV-1997	First Sample Examined: 3150
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 16440
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14839
API Well Number: 608164029100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 3150 - 16440	Water Depth: 1132
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3150 / 3148	DEF AT first sample examined	DEF AT 5
3270 / 3268	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
3420 / 3418	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
3570 / 3568	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
3750 / 3747	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
3840 / 3836	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
5400 / 5297	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5880 / 5707	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
5940 / 5759	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6660 / 6375	DEF AT -----	DEF AT 5
7050 / 6706	DEF AT -----	DEF AT 4
7470 / 7062	DEF AT -----	DEF AT 3
7800 / 7342	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
8220 / 7699	DEF AT -----	DEF AT 4
8340 / 7801	DEF AT -----	DEF AT 3
10780 / 9893	DEF AT -----	DEF AT 4
11320 /10360	DEF AT -----	DEF AT 3
11350 /10385	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
12400 /11285	DEF AT -----	DEF AT 4
12490 /11361	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
12550 /11412	DEF AT -----	DEF AT 3
13390 /12134	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 823	<b>Date of Summary:</b> 05-NOV-1997	<b>First Sample Examined:</b> 3150
<b>Lease Number:</b> G10942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16440
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14839
<b>API Well Number:</b> 608164029100	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3150 - 16440	<b>Water Depth:</b> 1132
<b>Public Info Code:</b> Y 28-OCT-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15380 /13866	DEF AT -----	DEF AT 4
15710 /14163	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
16390 /14792	DEF AT -----	DEF AT 5
16420 /14820	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16440 /14839	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 05-NOV-1997	First Sample Examined: 3150
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 16440
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14839
API Well Number: 608164029100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 3150 - 16440	Water Depth: 1132
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3150 / 3148	DEF AT first sample examined	DEF AT
3151 / 3149	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3209 / 3207	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
3210 / 3208	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
3390 / 3388	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
3570 / 3568	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
3900 / 3896	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5010 / 4959	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
5460 / 5348	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5880 / 5707	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5940 / 5759	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6900 / 6579	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8400 / 7852	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9510 / 8799	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10440 / 9600	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11350 /10385	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11890 /10849	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12182 /11099	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
12280 /11182	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12400 /11285	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12550 /11412	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13920 /12592	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 05-NOV-1997	First Sample Examined: 3150
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 16440
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14839
API Well Number: 608164029100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 3150 - 16440	Water Depth: 1132
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16440 /14839	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 02-MAY-2001	First Sample Examined: 7800
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 14191
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12824
API Well Number: 608164037900	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 7800 - 14191	Water Depth: 1132
Public Info Code: Y 24-MAR-2011	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7800 / 7042	DEF AT first sample examined	DEF IN 5
8520 / 7661	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 5
11100 / 9947	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
11850 /10635	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 5
11910 /10691	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
12060 /10832	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
13020 /11729	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
14191 /12824	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 30-MAY-2000	First Sample Examined: 7375
Lease Number: G16549	Source of Paleo: OPERATOR	Borehole MD: 16580
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13537
API Well Number: 608164035500	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 148
Paleo Report Num: 1 of 2	Sample Range: 7375 - 16580	Water Depth: 1130
Public Info Code: Y 24-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7375 / 6227	DEF AT first sample examined	DEF AT 6
7980 / 6660	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8250 / 6852	DEF AT -----	DEF AT 5
9630 / 7792	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
9840 / 7928	DEF AT -----	DEF AT 4
10080 / 8085	DEF AT -----	DEF AT 5
10380 / 8292	DEF AT -----	DEF AT 4
11490 / 9061	DEF AT -----	DEF AT 5
12360 / 9667	DEF AT -----	DEF AT 4
14040 /11047	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
14580 /11555	DEF AT -----	DEF AT 5
14820 /11791	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15720 /12681	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16580 /13538	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 823	Date of Summary: 30-MAY-2000	First Sample Examined: 7375
Lease Number: G16549	Source of Paleo: OPERATOR	Borehole MD: 16580
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13537
API Well Number: 608164035500	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 148
Paleo Report Num: 2 of 2	Sample Range: 7375 - 16580	Water Depth: 1130
Public Info Code: Y 24-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7375 / 6227	DEF AT first sample examined	DEF AT
7440 / 6273	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
8040 / 6703	POS AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
9660 / 7812	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11370 / 8977	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13440 /10506	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14057 /11062	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14430 /11410	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14850 /11820	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
16050 /13009	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16580 /13538	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 825	<b>Date of Summary:</b> 03-APR-1991	<b>First Sample Examined:</b> 3240
<b>Lease Number:</b> G05778	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10003
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8936
<b>API Well Number:</b> 608164016200	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3240 - 10003	<b>Water Depth:</b> 1712
<b>Public Info Code:</b> Y 22-APR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3240 / 3240	DEF AT first sample examined	DEF IN 5
3420 / 3420	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
3510 / 3510	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
3810 / 3810	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
4680 / 4678	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5360 / 5305	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5390 / 5331	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
6440 / 6163	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6680 / 6346	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
7160 / 6718	POS AT anhydrite	DEF AT 6
8510 / 7770	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
9590 / 8613	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
9770 / 8754	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
9890 / 8848	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
9950 / 8895	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
9980 / 8919	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
10003 / 8937	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 825	Date of Summary: 03-APR-1991	First Sample Examined: 3240
Lease Number: G05778	Source of Paleo: OPERATOR	Borehole MD: 10003
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8936
API Well Number: 608164016200	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 3240 - 10003	Water Depth: 1712
Public Info Code: Y 22-APR-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3240 / 3240	DEF AT first sample examined	DEF AT
3241 / 3241	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
3420 / 3420	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3600 / 3600	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
3690 / 3690	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4050 / 4050	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4290 / 4290	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
4470 / 4470	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
5390 / 5331	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6950 / 6555	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
7220 / 6764	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7580 / 7044	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
7670 / 7115	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9710 / 8707	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
9800 / 8777	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
9890 / 8848	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
9979 / 8918	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
9980 / 8919	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
10003 / 8937	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 825	Date of Summary: 25-AUG-1998	First Sample Examined: 0
Lease Number: G05778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9730
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9310
API Well Number: 608164033200	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1722
Public Info Code: Y 11-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9345 / 8973	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 825	Date of Summary: 05-NOV-1998	First Sample Examined: 0
Lease Number: G05778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9690
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9298
API Well Number: 608164033201	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1722
Public Info Code: Y 16-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7630 / 7437	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8081 / 7848	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9320 / 8966	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 825	Date of Summary: 28-SEP-1999	First Sample Examined: 0
Lease Number: G05778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10952
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 8844
API Well Number: 608164034400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1711
Public Info Code: Y 28-AUG-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9375 / 8699	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 14-MAR-1990	First Sample Examined: 2950
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 6833
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6330
API Well Number: 608164014600	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2950 - 6833	Water Depth: 1726
Public Info Code: Y 26-FEB-2000	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
2950 / 2950	DEF AT first sample examined	DEF IN 3
3220 / 3220	DEF AT - - - - -	DEF AT 4
3250 / 3250	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
3400 / 3400	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
3790 / 3790	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
4210 / 4209	DEF AT - - - - -	DEF IN 5
4239 / 4238	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
4240 / 4239	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
4270 / 4269	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5200 / 5112	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5
5410 / 5276	DEF AT - - - - -	DEF AT 6
5470 / 5322	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6010 / 5716	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
6370 / 5983	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
6833 / 6331	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 14-MAR-1990	First Sample Examined: 2950
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 6833
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6330
API Well Number: 608164014600	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2950 - 6833	Water Depth: 1726
Public Info Code: Y 26-FEB-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2950 / 2950	DEF AT first sample examined	DEF AT
2951 / 2951	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3220 / 3220	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
3310 / 3310	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
3400 / 3400	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
3580 / 3580	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3850 / 3850	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4000 / 4000	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4270 / 4269	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4450 / 4445	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
4720 / 4700	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5260 / 5159	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5350 / 5230	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5830 / 5583	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6010 / 5716	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6833 / 6331	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 14-MAR-1990	First Sample Examined: 3990
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 11131
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10800
API Well Number: 608164014601	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3990 - 11130	Water Depth: 1726
Public Info Code: Y 27-MAR-2000	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, occurrences of coccolith markers from 3990 to 5310 probably indicate penetration of salt or salt-related sheath material, nannofossils from 10200 display heavy dissolution, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3990 / 3990	DEF AT first sample examined	DEF AT
5130 / 5124	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5220 / 5211	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5580 / 5552	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
5670 / 5636	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
5760 / 5720	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
5850 / 5804	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7320 / 7202	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
7680 / 7541	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8490 / 8310	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10110 / 9848	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
10200 / 9933	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10290 /10018	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
10380 /10103	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
10500 /10217	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
10590 /10302	DEF AT Upper Cretaceous Maastrichtian Stage	DEF AT
10770 /10472	DEF AT Upper Cretaceous (Campanian) Lithastrinus grillii	DEF AT
11040 /10725	DEF AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
11100 /10781	POS AT Upper Cretaceous (Cenomanian) Microstaurus chiasmus	DEF AT
11130 /10810	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 14-MAR-1990	First Sample Examined: 3990
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 11131
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10800
API Well Number: 608164014601	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3990 - 11130	Water Depth: 1726
Public Info Code: Y 27-MAR-2000	Ecozone Eq MMS: Y	Paleo ID: 003

## Remark:

MD / TVD	Paleo Top Description	Ecozone
3990 / 3990	DEF AT first sample examined	DEF AT 5
3991 / 3991	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
4200 / 4200	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
4230 / 4230	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
4470 / 4470	DEF AT anhydrite	POS AT 5
4860 / 4859	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
5130 / 5124	DEF AT - - - - -	DEF AT 6
5160 / 5153	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5520 / 5496	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5670 / 5636	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6000 / 5945	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
7650 / 7513	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
8040 / 7881	DEF AT - - - - -	DEF AT 4
8490 / 8310	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9690 / 9451	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
9810 / 9565	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
9870 / 9622	DEF AT - - - - -	DEF AT 6
9900 / 9650	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
10140 / 9877	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 6
10170 / 9905	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
10230 / 9962	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
10260 / 9990	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 14-MAR-1990	<b>First Sample Examined:</b> 3990
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11131
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10800
<b>API Well Number:</b> 608164014601	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3990 - 11130	<b>Water Depth:</b> 1726
<b>Public Info Code:</b> Y 27-MAR-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10470 /10189	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 5
10560 /10274	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 5
10620 /10330	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT 4
10680 /10387	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT 4
10860 /10556	DEF AT Upper Cretaceous (Santonian) Marginotruncana renzi	DEF AT 4
10919 /10611	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT 4
10920 /10612	DEF AT Upper Cretaceous (Turonian) Praeglobotruncana stephani	DEF AT 4
10950 /10641	DEF AT Upper Cretaceous (Cenomanian) Textularia rioensis	DEF AT 4
11100 /10781	DEF AT anhydrite	DEF AT 4
11130 /10810	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 15-FEB-1991	First Sample Examined: 3260
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 11845
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11369
API Well Number: 608164015900	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 3260 - 11840	Water Depth: 2028
Public Info Code: Y 21-JAN-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3260 / 3260	DEF AT first sample examined	DEF AT
3529 / 3529	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
3530 / 3530	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
3710 / 3710	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
3890 / 3890	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
4160 / 4160	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
4250 / 4250	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
4700 / 4700	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6230 / 6230	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
6770 / 6769	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7130 / 7129	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7310 / 7309	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7760 / 7759	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9860 / 9777	POS AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
11390 / 10979	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
11840 / 11364	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 19-FEB-1991	<b>First Sample Examined:</b> 3260
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11845
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11369
<b>API Well Number:</b> 608164015900	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3260 - 11840	<b>Water Depth:</b> 2028
<b>Public Info Code:</b> Y 21-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3260 / 3260	DEF AT first sample examined	DEF IN 5
3560 / 3560	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
3620 / 3620	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
3710 / 3710	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5
3950 / 3950	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
4400 / 4400	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5450 / 5450	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
6950 / 6949	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
8960 / 8953	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
11480 /11054	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
11840 /11364	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 15-FEB-1991	<b>First Sample Examined:</b> 8340
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11870
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11631
<b>API Well Number:</b> 608164015901	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8340 - 11850	<b>Water Depth:</b> 2028
<b>Public Info Code:</b> Y 07-FEB-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8340 / 8338	DEF AT first sample examined	DEF AT
8341 / 8339	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9660 / 9585	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
11790 /11556	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
11850 /11613	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 19-FEB-1991	<b>First Sample Examined:</b> 8280
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11870
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11631
<b>API Well Number:</b> 608164015901	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8280 - 11850	<b>Water Depth:</b> 2028
<b>Public Info Code:</b> Y 07-FEB-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8278	DEF AT first sample examined	DEF AT 6
9690 / 9613	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
11850 /11613	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 15-FEB-1991	First Sample Examined: 4300
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 10300
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9500
API Well Number: 608164015902	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 4300 - 10265	Water Depth: 2028
Public Info Code: Y 11-MAR-2001	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4300 / 4300	DEF AT first sample examined	DEF AT
4301 / 4301	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
4660 / 4658	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6190 / 6056	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
6550 / 6358	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
6730 / 6508	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
6820 / 6583	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7270 / 6957	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9340 / 8709	POS AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
10060 / 9331	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
10150 / 9408	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10240 / 9486	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
10265 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 19-FEB-1991	First Sample Examined: 4300
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 10300
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9500
API Well Number: 608164015902	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 4300 - 10260	Water Depth: 2028
Public Info Code: Y 11-MAR-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4300 / 4300	DEF AT first sample examined	DEF AT 6
4390 / 4390	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6850 / 6607	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
7420 / 7081	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
8440 / 7943	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
10000 / 9279	DEF AT Lower Miocene (Aquitanean) Globorotalia kugleri	DEF AT 6
10090 / 9357	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 6
10120 / 9382	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
10180 / 9434	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 6
10260 / 9504	DEF AT last sample examined	DEF AT 6



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 02-JUL-1991	First Sample Examined: 4760
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 14578
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13268
API Well Number: 608164016300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 73
Paleo Report Num: 1 of 3	Sample Range: 4760 - 14540	Water Depth: 1645
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report, 10340=Gyroidina scalata

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4760 / 4760	DEF AT first sample examined	POS IN 5
4761 / 4761	DEF IN cement	POS IN 5
4790 / 4790	DEF AT - - - - -	DEF IN 5
4850 / 4850	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
5720 / 5701	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6080 / 6031	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
10070 / 9453	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
10160 / 9531	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
10340 / 9686	DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 6
11060 / 10310	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
12710 / 11701	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
14540 / 13234	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 02-JUL-1991	First Sample Examined: 3050
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 14578
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13268
API Well Number: 608164016300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 73
Paleo Report Num: 2 of 3	Sample Range: 3050 - 6710	Water Depth: 1645
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Bypass report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3050 / 3050	DEF AT first sample examined	DEF IN 4
3140 / 3140	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
3170 / 3170	DEF AT - - - - -	DEF AT 5
3380 / 3380	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
3410 / 3410	DEF AT - - - - -	DEF IN 5
3920 / 3920	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
4430 / 4430	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
5660 / 5644	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
5690 / 5673	DEF AT - - - - -	DEF AT 6
5930 / 5896	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
6710 / 6578	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 30-JUL-1991	First Sample Examined: 3050
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 14578
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13268
API Well Number: 608164016300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 73
Paleo Report Num: 3 of 3	Sample Range: 3050 - 6710	Water Depth: 1645
Public Info Code: Y 26-JUL-2001	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report for bypass, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3050 / 3050	DEF AT first sample examined	DEF AT
3140 / 3140	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
3410 / 3410	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
3590 / 3590	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
4040 / 4040	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4130 / 4130	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4310 / 4310	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4790 / 4790	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
4970 / 4970	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
5690 / 5673	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5780 / 5757	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6140 / 6084	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6560 / 6449	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6710 / 6578	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 16-MAR-1994	First Sample Examined: 3450
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 12928
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12882
API Well Number: 608164019400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3450 - 12928	Water Depth: 1932
Public Info Code: Y 12-APR-2004	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3450 / 3450	DEF AT first sample examined	DEF AT
3451 / 3451	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
3510 / 3510	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
3600 / 3600	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
3900 / 3900	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4020 / 4020	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
4500 / 4500	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
4620 / 4620	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
4890 / 4890	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5070 / 5070	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
5160 / 5160	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
5460 / 5460	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6180 / 6180	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7890 / 7890	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
8520 / 8520	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9060 / 9059	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9600 / 9598	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12030 /11999	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12480 /12438	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12870 /12824	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12928 /12882	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 21-MAR-1994	First Sample Examined: 3450
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 12928
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12882
API Well Number: 608164019400	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3450 - 12928	Water Depth: 1932
Public Info Code: Y 12-APR-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 9150=Gyroidina scalata, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3450 / 3450	DEF AT first sample examined	DEF IN 5
3510 / 3510	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
3870 / 3870	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
3900 / 3900	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
4620 / 4620	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
4710 / 4710	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
4800 / 4800	DEF AT - - - - -	DEF AT 6
5100 / 5100	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5250 / 5250	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6240 / 6240	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
8790 / 8789	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
9150 / 9149	DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 6
9420 / 9419	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
10920 /10913	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12180 /12145	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
12420 /12379	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
12870 /12824	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
12928 /12882	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 18-JUN-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11025
<b>API Well Number:</b> 608164019401	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1932
<b>Public Info Code:</b> Y 19-MAR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8988 / 8987	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9558 / 9538	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11076 /10527	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 22-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11275
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10674
<b>API Well Number:</b> 608164021900	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1935
<b>Public Info Code:</b> Y 20-JAN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5032 / 4964	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
5516 / 5402	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
5725 / 5594	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6082 / 5921	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6650 / 6441	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7936 / 7611	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8502 / 8130	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9130 / 8702	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11006 /10423	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 24-DEC-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11610
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9304
<b>API Well Number:</b> 608164022000	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1925
<b>Public Info Code:</b> Y 11-FEB-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5936 / 5077	DEF AT Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT
6159 / 5216	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6624 / 5503	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7852 / 6247	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
9720 / 7721	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10648 / 8501	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
11142 / 8911	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11251 / 9002	DEF AT Eocene	DEF AT



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End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 24-FEB-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8250
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6852
<b>API Well Number:</b> 608164020500	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1920
<b>Public Info Code:</b> Y 14-SEP-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5126 / 4699	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5810 / 5177	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
6511 / 5669	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6792 / 5866	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7624 / 6435	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 16-JUL-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7200
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6334
<b>API Well Number:</b> 608164022100	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1935
<b>Public Info Code:</b> Y 22-FEB-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5472 / 5055	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
5704 / 5224	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
6360 / 5705	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6711 / 5966	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 08-SEP-1997	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9220
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 6228
API Well Number: 608164022200	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 05-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6712 / 5094	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
7169 / 5292	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
8300 / 5783	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8733 / 5985	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 14-SEP-2000	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8775
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 6746
API Well Number: 608164023600	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1925
Public Info Code: Y 05-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5939 / 5184	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6182 / 5317	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6720 / 5612	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7976 / 6306	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 03-FEB-1999	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8315
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 6119
API Well Number: 608164032400	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 15-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7650 / 5780	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8026 / 5971	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 22-JAN-2002	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11850
<b>Well Name:</b> A009	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10806
<b>API Well Number:</b> 608164032501	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1932
<b>Public Info Code:</b> Y 25-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5576 / 5155	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6681 / 6036	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
8098 / 7289	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8827 / 7969	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11612 / 10582	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 14-JAN-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12814
<b>Well Name:</b> A010	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11084
<b>API Well Number:</b> 608164032601	<b>Drilling Operator:</b> ORYX ENERGY COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 1932
<b>Public Info Code:</b> Y 31-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5548 / 5536	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6897 / 6633	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
8590 / 7685	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9866 / 8458	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
10460 / 8896	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12355 /10659	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 27-APR-2001	First Sample Examined: 3200
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 15278
Well Name: A012	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12732
API Well Number: 608164038100	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 3200 - 15220	Water Depth: 1928
Public Info Code: Y 08-APR-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 12020=rare Gyroidina scalata, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3200 / 3197	DEF AT first sample examined	DEF IN 5
3201 / 3198	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
3500 / 3492	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
3740 / 3721	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
3980 / 3941	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
4280 / 4201	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5230 / 4963	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5740 / 5361	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5950 / 5520	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
7070 / 6370	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
9680 / 8035	DEF AT -----	DEF AT 5
11000 / 8904	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
11060 / 8943	DEF AT -----	DEF IN 5
11240 / 9062	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11270 / 9082	DEF AT -----	DEF AT 5
11420 / 9184	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
12020 / 9630	POS AT local marker deep water fauna	DEF AT 5
12230 / 9803	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12620 /10147	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
13480 /10970	DEF AT sample gap top	POS AT 5
14220 /11696	DEF AT sample gap bottom	DEF AT 5
14760 /12225	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5

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Start Date: 01-JAN-2000  
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<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 27-APR-2001	<b>First Sample Examined:</b> 3200
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15278
<b>Well Name:</b> A012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12732
<b>API Well Number:</b> 608164038100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3200 - 15220	<b>Water Depth:</b> 1928
<b>Public Info Code:</b> Y 08-APR-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14850 /12313	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5
15220 /12675	DEF AT last sample examined	DEF AT 5

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Area Block: VK 826	Date of Summary: 27-APR-2001	First Sample Examined: 3200
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 15278
Well Name: A012	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12732
API Well Number: 608164038100	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 3200 - 15220	Water Depth: 1928
Public Info Code: Y 08-APR-2011	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3200 / 3197	DEF AT first sample examined	DEF AT
3230 / 3227	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
3500 / 3492	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
3560 / 3550	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
3680 / 3665	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
3770 / 3749	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
4100 / 4047	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5230 / 4963	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5560 / 5225	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
5830 / 5429	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
6310 / 5789	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7160 / 6429	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8510 / 7271	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8840 / 7484	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10820 / 8784	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11090 / 8963	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
11210 / 9042	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11450 / 9205	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11900 / 9536	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12620 /10147	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13480 /10970	DEF AT sample gap top	DEF AT
14220 /11696	DEF AT sample gap bottom	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 27-APR-2001	<b>First Sample Examined:</b> 3200
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15278
<b>Well Name:</b> A012	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12732
<b>API Well Number:</b> 608164038100	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3200 - 15220	<b>Water Depth:</b> 1928
<b>Public Info Code:</b> Y 08-APR-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15119 /12577	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15120 /12578	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15220 /12675	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 30-APR-2001	First Sample Examined: 4760
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 10783
Well Name: A013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9535
API Well Number: 608164038200	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 4760 - 10780	Water Depth: 1933
Public Info Code: Y 11-MAY-2011	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4760 / 4723	DEF AT first sample examined	DEF AT 6
4761 / 4724	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5120 / 5062	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5240 / 5170	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
7090 / 6617	DEF AT -----	DEF AT 5
7460 / 6906	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
7820 / 7190	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
7880 / 7237	DEF AT -----	DEF IN 5
8060 / 7380	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
8120 / 7427	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
8210 / 7498	DEF AT -----	DEF AT 5
8300 / 7568	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
8540 / 7759	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9650 / 8640	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10700 / 9470	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
10780 / 9533	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 30-APR-2001	First Sample Examined: 4760
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 10783
Well Name: A013	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9535
API Well Number: 608164038200	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 4760 - 10780	Water Depth: 1933
Public Info Code: Y 11-MAY-2011	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4760 / 4723	DEF AT first sample examined	DEF AT
4761 / 4724	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5060 / 5007	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
5090 / 5035	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
5120 / 5062	DEF AT Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT
5450 / 5351	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6040 / 5807	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7090 / 6617	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
7150 / 6663	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
7670 / 7072	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7820 / 7190	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
7891 / 7246	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
7940 / 7285	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8090 / 7404	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8180 / 7475	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8480 / 7711	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9020 / 8140	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
9500 / 8521	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
10700 / 9470	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10780 / 9533	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 24-MAY-2001	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12936
<b>Well Name:</b> A014	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10135
<b>API Well Number:</b> 608164038000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6000 - 12936	<b>Water Depth:</b> 1933
<b>Public Info Code:</b> Y 08-JUN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 4798	DEF AT first sample examined	DEF AT 5
6150 / 4860	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
6330 / 4942	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
6360 / 4957	DEF AT -----	DEF AT 6
6660 / 5115	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
6960 / 5300	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8190 / 6261	DEF AT -----	DEF AT 5
8340 / 6382	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
9630 / 7413	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
10470 / 8084	DEF AT -----	DEF IN 5
10530 / 8132	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
10890 / 8430	DEF AT -----	DEF AT 5
11010 / 8531	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
11400 / 8855	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11520 / 8955	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12780 /10005	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
12870 /10080	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
12936 /10135	DEF AT last sample examined	DEF AT 5

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Area Block: VK 826	Date of Summary: 24-MAY-2001	First Sample Examined: 6000
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 12936
Well Name: A014	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10135
API Well Number: 608164038000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 6000 - 12930	Water Depth: 1933
Public Info Code: Y 08-JUN-2011	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 4798	DEF AT first sample examined	DEF AT
6150 / 4860	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6600 / 5081	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
6930 / 5281	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
7320 / 5556	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8129 / 6212	POS AT unconformity	DEF AT
8130 / 6212	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9450 / 7269	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
9960 / 7677	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10470 / 8084	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10560 / 8156	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10650 / 8230	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11040 / 8556	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11490 / 8930	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11700 / 9105	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12780 /10005	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12790 /10013	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12930 /10130	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 826	Date of Summary: 24-MAY-2001	First Sample Examined: 10420
Lease Number: G06888	Source of Paleo: OPERATOR	Borehole MD: 14749
Well Name: A014	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11216
API Well Number: 608164038001	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 10420 - 14749	Water Depth: 1933
Public Info Code: Y 15-JUN-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10420 / 8043	DEF AT first sample examined	DEF AT 5
10510 / 8114	DEF AT - - - - -	DEF IN 5
10540 / 8137	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
10870 / 8404	DEF AT - - - - -	DEF AT 5
11050 / 8550	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
11260 / 8720	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
11560 / 8953	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12910 / 9895	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14620 / 11116	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14710 / 11186	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
14749 / 11216	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 826	<b>Date of Summary:</b> 24-MAY-2001	<b>First Sample Examined:</b> 10390
<b>Lease Number:</b> G06888	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14749
<b>Well Name:</b> A014	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11216
<b>API Well Number:</b> 608164038001	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10390 - 14749	<b>Water Depth:</b> 1933
<b>Public Info Code:</b> Y 15-JUN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10390 / 8019	DEF AT first sample examined	DEF AT
10510 / 8114	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10570 / 8161	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10660 / 8234	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11050 / 8550	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11440 / 8860	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11650 / 9022	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12670 / 9737	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
14650 / 11140	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14710 / 11186	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14749 / 11216	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 827	Date of Summary: 16-DEC-1998	First Sample Examined: 0
Lease Number: G07910	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14000
API Well Number: 608164033300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2525
Public Info Code: Y 30-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11505 /11505	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
12580 /12580	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 828	Date of Summary: 06-FEB-1997	First Sample Examined: 3860
Lease Number: G13060	Source of Paleo: OPERATOR	Borehole MD: 10625
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9645
API Well Number: 608164023200	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 3860 - 10610	Water Depth: 1750
Public Info Code: Y 04-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3860 / 3860	DEF AT first sample examined	DEF AT 6
4040 / 4040	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
4190 / 4190	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
4520 / 4517	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
4640 / 4635	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
5360 / 5321	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
5780 / 5687	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
5900 / 5789	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
7520 / 7154	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
8270 / 7777	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
8420 / 7902	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
9170 / 8523	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
9710 / 8949	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10609 / 9632	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10610 / 9633	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 830	Date of Summary: 05-JUL-1978	First Sample Examined: 5670
Lease Number: G10944	Source of Paleo: OPERATOR	Borehole MD: 13134
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12022
API Well Number: 608164041700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5670 - 13100	Water Depth: 3376
Public Info Code: Y 06-AUG-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5670 / 5670	DEF AT first sample examined	DEF AT 4
5700 / 5700	DEF AT Lower Pliocene (Zanclian) <i>Buccella (Eponides) hannai</i> (acme)	DEF AT 4
5730 / 5730	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / <i>nepenthes</i> "B"	DEF AT 4
5790 / 5790	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 5
5820 / 5820	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF AT 5
5880 / 5880	DEF AT faunal change (no faunal increase)	DEF AT 5
5910 / 5910	DEF AT local marker planktic foram increase	DEF AT 5
5940 / 5940	DEF AT local marker benthic foram increase	DEF AT 5
5970 / 5970	DEF AT foram flood	DEF AT 5
6000 / 6000	DEF AT - - - - -	DEF AT 4
6030 / 6030	DEF AT Upper Miocene (Messinian) <i>Textularia tatumi</i>	DEF AT 4
6120 / 6120	POS AT glauconite	DEF AT 4
6180 / 6180	DEF AT Upper Miocene (Tortonian) <i>Bigenerina irregularis</i> / 6	DEF AT 4
6270 / 6270	DEF AT Upper Miocene (Tortonian) <i>Robulus</i> "E"	DEF AT 5
6330 / 6330	DEF AT pyrite	DEF AT 5
6360 / 6360	DEF AT - - - - -	DEF AT 4
6600 / 6600	POS AT local marker (general)	DEF AT 4
6900 / 6900	DEF AT local marker benthic foram increase	DEF AT 5
6930 / 6930	DEF AT - - - - -	DEF AT 4
6990 / 6990	POS AT local marker (general)	DEF AT 4
7020 / 7020	DEF AT local marker foram decrease	DEF AT 4
7290 / 7290	DEF AT - - - - -	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 830	Date of Summary: 05-JUL-1978	First Sample Examined: 5670
Lease Number: G10944	Source of Paleo: OPERATOR	Borehole MD: 13134
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12022
API Well Number: 608164041700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5670 - 13100	Water Depth: 3376
Public Info Code: Y 06-AUG-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7320 / 7320	DEF AT pyrite	DEF AT 5
7520 / 7520	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
7639 / 7639	DEF AT pyrite	DEF AT 5
7640 / 7640	DEF AT local marker foram decrease	DEF AT 5
7700 / 7700	DEF AT local marker benthic foram increase	DEF AT 5
7730 / 7730	DEF AT local marker foram decrease	DEF AT 4
8089 / 8089	DEF AT local white Arenaceous fauna	DEF AT 5
8090 / 8090	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
8150 / 8150	DEF AT local marker foram increase	DEF AT 5
8180 / 8180	DEF AT pyrite	DEF AT 5
8270 / 8270	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
8300 / 8300	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
8360 / 8360	DEF AT local marker foram decrease	DEF AT 4
8510 / 8510	DEF AT local marker foram increase	DEF AT 4
8540 / 8540	DEF AT glauconite	DEF AT 4
8660 / 8660	DEF AT - - - - -	DEF AT 5
8720 / 8719	DEF AT local marker foram increase	DEF AT 5
8750 / 8749	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
8839 / 8838	DEF AT turbid water facies	DEF AT 5
8840 / 8839	DEF AT Arenaceous fauna (local marker)	DEF AT 5
8930 / 8929	DEF AT local marker foram decrease	DEF AT 5
8990 / 8989	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
9020 / 9019	DEF AT local marker foram decrease	DEF AT 5
9170 / 9167	DEF AT - - - - -	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 830	Date of Summary: 05-JUL-1978	First Sample Examined: 5670
Lease Number: G10944	Source of Paleo: OPERATOR	Borehole MD: 13134
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12022
API Well Number: 608164041700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5670 - 13100	Water Depth: 3376
Public Info Code: Y 06-AUG-2013	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9260 / 9256	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 4
9440 / 9432	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
9590 / 9576	DEF AT turbid water facies	DEF AT 4
9860 / 9829	DEF AT - - - - -	DEF AT 5
9920 / 9884	DEF AT local marker foram increase	DEF AT 5
9950 / 9911	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
9980 / 9938	DEF AT local marker benthic foram increase	DEF IN 4
10130 /10071	DEF AT turbid water facies	DEF IN 4
10490 /10374	DEF AT Eggerella sp. (local marker)	DEF IN 4
10610 /10472	DEF AT - - - - -	DEF AT 5
10640 /10496	DEF AT - - - - -	DEF IN 4
10670 /10519	DEF AT - - - - -	DEF AT 5
10700 /10543	DEF AT - - - - -	DEF IN 4
10730 /10567	DEF AT - - - - -	DEF AT 5
10880 /10681	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10970 /10748	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
11030 /10791	DEF AT local marker foram decrease	DEF AT 5
11090 /10833	DEF AT deepwater facies Harang	DEF AT 5
11150 /10874	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11180 /10894	DEF AT reworked material	DEF AT 5
11210 /10913	DEF AT limestone	DEF IN 4
11300 /10971	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
11420 /11044	DEF AT local marker foram decrease	DEF IN 4
11660 /11177	DEF AT local marker foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 830	<b>Date of Summary:</b> 05-JUL-1978	<b>First Sample Examined:</b> 5670
<b>Lease Number:</b> G10944	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13134
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12022
<b>API Well Number:</b> 608164041700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 5670 - 13100	<b>Water Depth:</b> 3376
<b>Public Info Code:</b> Y 06-AUG-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11720 /11209	DEF AT local marker foram decrease	DEF AT 5
11840 /11273	DEF AT - - - - -	DEF IN 4
12020 /11370	DEF AT limestone	DEF IN 4
12140 /11437	DEF AT local marker foram increase	DEF AT 5
12230 /11488	DEF AT faunal change (no faunal increase)	DEF AT 5
12350 /11557	DEF AT local marker foram decrease	DEF AT 5
12410 /11591	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
12530 /11658	DEF AT turbid water facies	DEF AT 5
12680 /11744	DEF AT local marker foram decrease	DEF AT 5
12740 /11779	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
12800 /11815	DEF AT local marker foram increase	DEF AT 5
12860 /11851	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
12950 /11906	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
12980 /11925	DEF AT foram flood	DEF AT 5
13009 /11943	DEF AT pyrite	DEF AT 5
13040 /11963	DEF AT glauconite	DEF AT 5
13100 /12000	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 830	Date of Summary: 14-JUL-2003	First Sample Examined: 5700
Lease Number: G10944	Source of Paleo: OPERATOR	Borehole MD: 13134
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12022
API Well Number: 608164041700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5700 - 13100	Water Depth: 3376
Public Info Code: Y 06-AUG-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5700 / 5700	DEF AT first sample examined	DEF AT
5820 / 5820	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
5880 / 5880	DEF AT Lower Pliocene (Zanclian) Ceratolithus armatus	DEF AT
6000 / 6000	DEF AT local marker floral decrease	DEF AT
6060 / 6060	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6120 / 6120	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
6300 / 6300	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6420 / 6420	DEF AT local marker foram decrease	DEF AT
6540 / 6540	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6900 / 6900	DEF AT local marker floral decrease	DEF AT
7260 / 7260	DEF AT local marker floral increase	DEF AT
7400 / 7400	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7520 / 7520	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
7640 / 7640	DEF AT local marker floral decrease	DEF AT
7820 / 7820	DEF AT local marker floral decrease	DEF AT
8000 / 8000	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
8060 / 8060	DEF AT local marker floral decrease	DEF AT
8240 / 8240	DEF AT local marker floral increase	DEF AT
8300 / 8300	DEF AT local marker floral decrease	DEF AT
8570 / 8570	DEF AT floral flood	DEF AT
8720 / 8719	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8780 / 8779	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 830	Date of Summary: 14-JUL-2003	First Sample Examined: 5700
Lease Number: G10944	Source of Paleo: OPERATOR	Borehole MD: 13134
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12022
API Well Number: 608164041700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5700 - 13100	Water Depth: 3376
Public Info Code: Y 06-AUG-2013	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8899	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9080 / 9078	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
9140 / 9138	DEF AT local marker floral decrease	DEF AT
9320 / 9315	POS IN Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
9980 / 9938	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10040 / 9992	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
10160 /10097	DEF AT local marker floral decrease	DEF AT
10640 /10496	DEF AT local marker floral increase	DEF AT
10820 /10636	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11000 /10770	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
11060 /10812	DEF AT local marker floral decrease	DEF AT
11300 /10971	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
11420 /11044	DEF AT local marker floral decrease	DEF AT
11630 /11161	DEF AT local marker floral increase	DEF AT
11740 /11220	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
11890 /11300	DEF AT local marker floral decrease	DEF AT
12140 /11437	DEF AT local marker floral increase	DEF AT
12320 /11540	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12410 /11591	DEF AT local marker floral decrease	DEF AT
12500 /11642	DEF AT floral flood	DEF AT
12920 /11888	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
13100 /12000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 864	Date of Summary: 26-MAY-1997	First Sample Examined: 2810
Lease Number: G15437	Source of Paleo: OPERATOR	Borehole MD: 8961
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8957
API Well Number: 608164027200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2810 - 8860	Water Depth: 1457
Public Info Code: Y 30-JUN-2003	Ecozone Eq MMS: N	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2810 / 2810	DEF AT first sample examined	DEF AT
3170 / 3170	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
3290 / 3290	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
3410 / 3410	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3710 / 3710	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
3830 / 3830	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4670 / 4670	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5390 / 5390	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
5510 / 5510	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
5990 / 5990	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
6410 / 6410	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6530 / 6530	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
7310 / 7310	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
7790 / 7790	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
8560 / 8559	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8859 / 8856	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8860 / 8857	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 864	Date of Summary: 03-JUL-1997	First Sample Examined: 2810
Lease Number: G15437	Source of Paleo: OPERATOR	Borehole MD: 8961
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8957
API Well Number: 608164027200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2810 - 8900	Water Depth: 1457
Public Info Code: Y 30-JUN-2003	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

MD / TVD	Paleo Top Description	Ecozone
2810 / 2810	DEF AT first sample examined	DEF AT
2811 / 2811	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
3140 / 3140	DEF AT local marker planktic foram increase	DEF AT 4
3230 / 3230	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
3320 / 3320	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 4
3410 / 3410	DEF AT foram flood	DEF IN 4
3527 / 3527	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
3528 / 3528	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 4
3529 / 3529	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
3530 / 3530	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 4
3589 / 3589	DEF AT foram flood	DEF IN 4
3590 / 3590	DEF IN Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF IN 4
3620 / 3620	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 4
3649 / 3649	DEF AT foram flood	DEF IN 4
3650 / 3650	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
3830 / 3830	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 4
3859 / 3859	DEF AT foram flood	DEF IN 4
3860 / 3860	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
4040 / 4040	DEF AT local marker benthic foram increase	DEF AT 4
4370 / 4370	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
5210 / 5210	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
5390 / 5390	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 864  
Lease Number: G15437  
Well Name: 001  
API Well Number: 608164027200  
Paleo Report Num: 2 of 2  
Public Info Code: Y 30-JUN-2003

Date of Summary: 03-JUL-1997  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 2810 - 8900  
Ecozone Eq MMS: Y

First Sample Examined: 2810  
Borehole MD: 8961  
Borehole TVD: 8957  
Rkb Elevation: 82  
Water Depth: 1457  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5720 / 5720	DEF AT local marker foram increase	DEF IN 3
5929 / 5929	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF IN 4
5930 / 5930	DEF AT Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / nepenthes "B"	DEF IN 4
5990 / 5990	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF IN 4
6140 / 6140	DEF AT Lower Pliocene (Zanclian) <i>Siphotextularia jugosa</i> / "J"	DEF IN 4
6320 / 6320	DEF AT <i>Cyclammina cancellata</i> (local marker)	DEF AT 4
6440 / 6440	POS IN Lower Pliocene (Zanclian) <i>Sigmoilina "P"</i> / cf. <i>schlumbergeri</i>	DEF IN 4
6500 / 6500	POS AT Upper Miocene (Messinian) <i>Globorotalia margaritae primitiva</i>	DEF IN 4
6680 / 6680	DEF AT shell fragments	DEF IN 4
6740 / 6740	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF IN 4
7010 / 7010	DEF AT faunal change (no faunal increase)	DEF IN 3
7310 / 7310	DEF AT Upper Miocene (Messinian) <i>Globorotalia menardii</i> (coiling change right/left)	DEF AT 4
7370 / 7370	DEF AT Arenaceous fauna (local marker)	DEF AT 4
7610 / 7610	DEF AT Upper Miocene (Messinian) <i>Globorotalia juanai</i>	DEF AT 4
8030 / 8030	POS AT Upper Miocene (Messinian) <i>Textularia tatumi</i>	DEF AT 4
8180 / 8179	DEF AT Upper Miocene (Messinian) <i>Textularia tatumi</i>	DEF AT 4
8270 / 8269	DEF AT local marker planktic foram increase	DEF AT 4
8420 / 8419	DEF AT Arenaceous fauna (local marker)	DEF AT 4
8539 / 8538	DEF AT foram flood	DEF AT 4
8540 / 8539	DEF AT Upper Miocene (Tortonian) <i>Bigenerina irregularis</i> / 6	DEF AT 4
8600 / 8599	DEF AT <i>Cyclammina cancellata</i> (local marker)	DEF AT 4
8780 / 8778	DEF AT local marker benthic foram increase	DEF AT 4
8810 / 8808	DEF AT local marker benthic foram increase	DEF AT 4
8870 / 8867	DEF AT Upper Miocene (Tortonian) <i>Robulus "E"</i>	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 864	Date of Summary: 03-JUL-1997	First Sample Examined: 2810
Lease Number: G15437	Source of Paleo: OPERATOR	Borehole MD: 8961
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8957
API Well Number: 608164027200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2810 - 8900	Water Depth: 1457
Public Info Code: Y 30-JUN-2003	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD

Paleo Top Description

Ecozone

8900 / 8897

DEF AT last sample examined

DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 869	Date of Summary: 21-SEP-2004	First Sample Examined: 4360
Lease Number: G13065	Source of Paleo: OPERATOR	Borehole MD: 11950
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11474
API Well Number: 608164043000	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4360 - 11950	Water Depth: 2423
Public Info Code: Y 20-MAR-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4360 / 4360	DEF AT first sample examined	DEF IN 5
4630 / 4630	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5499 / 5482	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
5500 / 5483	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
5529 / 5511	DEF AT faunal change (no faunal increase)	DEF AT 6
5530 / 5511	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
5680 / 5654	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
5830 / 5795	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
6100 / 6043	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
7390 / 7197	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
7420 / 7224	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
7600 / 7386	DEF AT faunal change (no faunal increase)	DEF AT 5
8379 / 8093	DEF AT Bathysiphon fauna	DEF AT 5
8380 / 8094	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
8830 / 8506	POS AT Upper Miocene (Tortonian) Cyclamina 3	DEF AT 5
9850 / 9430	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
9970 / 9540	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
10450 / 9994	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
10870 /10404	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11200 /10729	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11770 /11295	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
11950 /11474	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 869	<b>Date of Summary:</b> 21-SEP-2004	<b>First Sample Examined:</b> 4360
<b>Lease Number:</b> G13065	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11950
<b>Well Name:</b> SS002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11474
<b>API Well Number:</b> 608164043000	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4360 - 11950	<b>Water Depth:</b> 2423
<b>Public Info Code:</b> Y 20-MAR-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4360 / 4360	DEF AT first sample examined	DEF AT
4361 / 4361	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
4630 / 4630	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
5440 / 5425	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5500 / 5483	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5770 / 5739	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
5800 / 5767	DEF AT reworked material	DEF AT
6070 / 6016	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6340 / 6259	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7420 / 7224	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8560 / 8259	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
8800 / 8479	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
9310 / 8940	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
9910 / 9485	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10150 / 9708	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10240 / 9793	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10810 /10345	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11200 /10729	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11950 /11474	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 870	Date of Summary: 18-AUG-2003	First Sample Examined: 8150
Lease Number: G13066	Source of Paleo: OPERATOR	Borehole MD: 14622
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11670
API Well Number: 608164041600	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 8150 - 14662	Water Depth: 2610
Public Info Code: Y 05-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8150 / 6888	DEF AT first sample examined	DEF AT 5
9380 / 7588	DEF AT -----	DEF AT 6
10310 / 8185	DEF AT -----	DEF AT 5
10700 / 8429	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11990 / 9256	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
13130 /10206	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
13250 /10318	DEF AT -----	DEF IN 5
13520 /10576	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
14090 /11139	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
14662 /	DEF AT last sample examined	DEF AT 5



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 870	<b>Date of Summary:</b> 18-AUG-2003	<b>First Sample Examined:</b> 8150
<b>Lease Number:</b> G13066	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14622
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11670
<b>API Well Number:</b> 608164041600	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8150 - 14662	<b>Water Depth:</b> 2610
<b>Public Info Code:</b> Y 05-APR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8150 / 6888	DEF AT first sample examined	DEF AT
8151 / 6889	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9500 / 7665	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10670 / 8410	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11000 / 8614	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11570 / 8970	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12320 / 9505	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
12410 / 9577	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12650 / 9777	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12950 /10041	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13490 /10547	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14060 /11109	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14090 /11139	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14662 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 871	Date of Summary: 03-AUG-1994	First Sample Examined: 6700
Lease Number: G08469	Source of Paleo: OPERATOR	Borehole MD: 13746
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12851
API Well Number: 608164019900	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 6700 - 12798	Water Depth: 2920
Public Info Code: Y 15-AUG-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6700 / 6700	DEF AT first sample examined	DEF AT
6850 / 6850	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
6940 / 6940	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
7330 / 7330	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9190 / 9189	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
9650 / 9636	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
10230 /10158	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
10738 /10556	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
11970 /11497	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
12729 /12070	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
12775 /12105	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
12798 /12122	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 872	Date of Summary: 13-JAN-1999	First Sample Examined: 0
Lease Number: G19907	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10952
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9986
API Well Number: 608164033600	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3480
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10515 / 9723	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 872	<b>Date of Summary:</b> 13-JAN-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19908	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12308
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9996
<b>API Well Number:</b> 608164033601	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 3463
<b>Public Info Code:</b> Y 31-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11611 / 9710	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 900	Date of Summary: 10-MAR-1998	First Sample Examined: 3753
Lease Number: G02445	Source of Paleo: OPERATOR	Borehole MD: 6563
Well Name: A028	Paleo Done By: OPERATOR	Borehole TVD: 6192
API Well Number: 608164028800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 3753 - 6560	Water Depth: 340
Public Info Code: Y 20-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3753 / 3560	DEF AT first sample examined	DEF AT 2
3800 / 3602	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
4100 / 3867	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
4160 / 3920	DEF AT -----	DEF AT 4
4460 / 4183	DEF AT -----	DEF AT 2
4820 / 4504	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
4880 / 4559	DEF AT -----	DEF AT 3
5120 / 4782	DEF AT -----	DEF AT 4
5420 / 5067	DEF AT -----	DEF AT 3
5480 / 5125	DEF AT -----	DEF AT 2
5599 / 5240	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 3
5600 / 5241	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
5720 / 5358	DEF AT -----	DEF AT 4
6080 / 5714	DEF AT -----	DEF AT 2
6410 / 6041	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
6560 / 6189	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 906	Date of Summary: 20-AUG-1999	First Sample Examined: 4080
Lease Number: G19909	Source of Paleo: OPERATOR	Borehole MD: 6963
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 6963
API Well Number: 608164034700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4080 - 6963	Water Depth: 1190
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

MD / TVD	Paleo Top Description	Ecozone
4080 / 4080	DEF AT first sample examined	DEF AT 3
4081 / 4081	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
4140 / 4140	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 3
4710 / 4709	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
4740 / 4739	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 5
4890 / 4889	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
5070 / 5069	DEF AT reworked material	DEF IN 4
5071 / 5070	DEF AT transported shelf fauna	DEF IN 4
5220 / 5219	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 4
5970 / 5969	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 4
6235 / 6234	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
6900 / 6899	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 4
6963 / 6962	DEF AT last sample examined	DEF IN 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 914	Date of Summary: 18-SEP-1997	First Sample Examined: 8980
Lease Number: G08785	Source of Paleo: OPERATOR	Borehole MD: 15505
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 13767
API Well Number: 608164028400	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 8980 - 15505	Water Depth: 3535
Public Info Code: Y 30-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8980 / 8979	DEF AT first sample examined	DEF AT 4
9010 / 9009	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
9070 / 9069	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
9190 / 9189	DEF AT -----	DEF AT 5
9220 / 9219	DEF AT -----	DEF AT 4
9250 / 9249	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9470 / 9469	DEF AT -----	DEF AT 5
9650 / 9647	DEF AT -----	DEF AT 4
9680 / 9677	DEF AT -----	DEF AT 5
9740 / 9735	DEF AT -----	DEF AT 6
9769 / 9763	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
9770 / 9764	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 6
9920 / 9906	DEF AT -----	DEF AT 5
9980 / 9962	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS AT 4
10520 /10411	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS AT 4
10580 /10454	DEF AT -----	DEF AT 3
10700 /10534	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 3
10760 /10572	DEF AT -----	DEF AT 4
11360 /10956	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
11480 /11031	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13460 /12296	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
14480 /13007	DEF AT sample gap top	POS AT 4

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 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 914	<b>Date of Summary:</b> 18-SEP-1997	<b>First Sample Examined:</b> 8980
<b>Lease Number:</b> G08785	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15505
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13767
<b>API Well Number:</b> 608164028400	<b>Drilling Operator:</b> AMOCO CORPORATION	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8980 - 15505	<b>Water Depth:</b> 3535
<b>Public Info Code:</b> Y 30-MAY-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14930 /13331	DEF AT sample gap bottom	POS AT 4
15439 /13715	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
15440 /13716	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
15505 /13767	DEF AT last sample examined	DEF AT 4



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 914	Date of Summary: 18-SEP-1997	First Sample Examined: 9300
Lease Number: G08785	Source of Paleo: OPERATOR	Borehole MD: 13976
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 13335
API Well Number: 608164028401	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9300 - 13976	Water Depth: 3535
Public Info Code: Y 25-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
9300 / 9299	DEF AT first sample examined	POS AT	4
9330 / 9329	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	POS AT	4
9450 / 9449	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT	4
9630 / 9629	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT	4
9810 / 9809	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT	4
9900 / 9899	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT	4
10170 /10163	DEF AT -----	DEF AT	6
10200 /10191	DEF AT -----	DEF AT	4
10590 /10528	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT	4
10620 /10551	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT	4
10800 /10678	DEF AT -----	POS AT	4
10920 /10756	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT	4
11010 /10815	DEF AT -----	DEF AT	6
11040 /10835	DEF AT -----	DEF AT	4
11280 /10997	DEF AT -----	POS AT	4
11430 /11104	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	POS AT	4
11730 /11333	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT	4
11731 /11334	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT	4
11760 /11357	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT	4
11790 /11380	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT	4
13320 /12714	DEF AT -----	DEF AT	5
13350 /12742	DEF AT -----	DEF AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 914	<b>Date of Summary:</b> 18-SEP-1997	<b>First Sample Examined:</b> 9300
<b>Lease Number:</b> G08785	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13976
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13335
<b>API Well Number:</b> 608164028401	<b>Drilling Operator:</b> AMOCO CORPORATION	<b>Rkb Elevation:</b> 46
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9300 - 13976	<b>Water Depth:</b> 3535
<b>Public Info Code:</b> Y 25-JUL-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13976 /13335	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 915	Date of Summary: 06-JUL-1993	First Sample Examined: 0
Lease Number: G06894	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12570
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12570
API Well Number: 608164018100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 47
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3236
Public Info Code: Y 06-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10540 /10539	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
11350 /11349	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
11770 /11769	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11980 /11979	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
12070 /12069	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
12160 /12159	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT
12190 /12189	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
12340 /12339	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT
12490 /12489	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 915	<b>Date of Summary:</b> 02-AUG-1993	<b>First Sample Examined:</b> 12280
<b>Lease Number:</b> G06894	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14738
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13412
<b>API Well Number:</b> 608164018101	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 47
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12280 - 14738	<b>Water Depth:</b> 3236
<b>Public Info Code:</b> Y 06-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** 14230=Lower Eocene (Ypresian) Acarinina pseudotopilensis, 14350=Lower Eocene (Ypresian) Morozovella marginodentata, 14410=Upper Paleocene (Thanetian) Morozovella occlusa, 14650=Lower Paleocene (Danian) Eoglobigerina fringa

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12280 /11541	DEF AT first sample examined	DEF AT
12940 /12028	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
12970 /12050	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
13570 /12507	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
13690 /12599	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
13750 /12645	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT
13780 /12668	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
13930 /12784	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT
13990 /12831	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT
14020 /12854	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
14110 /12924	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT
14230 /13018	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT
14260 /13042	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT
14350 /13111	DEF IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT
14380 /13135	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT
14410 /13158	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
14530 /13251	DEF AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT
14590 /13297	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT
14650 /13344	DEF IN Lower Paleocene (Danian) Globoconusa daubjergensis	DEF AT
14680 /13367	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT
14738 /13412	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 916	<b>Date of Summary:</b> 01-JAN-2002	<b>First Sample Examined:</b> 8500
<b>Lease Number:</b> G21733	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14101
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 14058
<b>API Well Number:</b> 608164037600	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8500 - 14110	<b>Water Depth:</b> 3690
<b>Public Info Code:</b> Y 22-APR-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, 14050=possible Discoaster falcatius

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8475	DEF AT first sample examined	DEF AT
8530 / 8505	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8560 / 8534	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8590 / 8564	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
8620 / 8594	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
8800 / 8772	DEF AT local marker floral increase	DEF AT
8890 / 8860	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9100 / 9067	DEF AT local marker floral increase	DEF AT
9310 / 9274	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
9400 / 9362	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9550 / 9510	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9580 / 9540	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9610 / 9569	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
9670 / 9628	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9700 / 9658	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10270 /10224	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10540 /10494	DEF AT local marker floral increase	DEF AT
10720 /10674	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
11320 /11274	DEF AT local marker floral increase	DEF AT
11470 /11424	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11650 /11604	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12010 /11964	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 916	<b>Date of Summary:</b> 01-JAN-2002	<b>First Sample Examined:</b> 8500
<b>Lease Number:</b> G21733	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14101
<b>Well Name:</b> 001	<b>Paleo Done By:</b> NANNO-CHRON INTERNATIONAL (W H ABBOTT)	<b>Borehole TVD:</b> 14058
<b>API Well Number:</b> 608164037600	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8500 - 14110	<b>Water Depth:</b> 3690
<b>Public Info Code:</b> Y 22-APR-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12040 /11994	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12310 /12264	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12520 /12474	DEF AT local marker floral increase	DEF AT
12850 /12804	DEF AT local marker floral increase	DEF AT
13420 /13374	DEF AT local marker floral increase	DEF AT
13510 /13464	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13570 /13524	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13870 /13824	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
13930 /13884	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
13960 /13914	POS AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
14020 /13974	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
14050 /14004	DEF IN Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
14110 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> VK 917	<b>Date of Summary:</b> 21-JAN-2002	<b>First Sample Examined:</b> 6740
<b>Lease Number:</b> G15441	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12912
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12899
<b>API Well Number:</b> 608164040000	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6740 - 12912	<b>Water Depth:</b> 4370
<b>Public Info Code:</b> Y 07-JAN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 10160=Catinaster coalitus acme, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6740 / 6735	DEF AT first sample examined	DEF AT
6860 / 6855	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7640 / 7634	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8030 / 8024	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8480 / 8473	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
8960 / 8953	DEF AT reworked material	DEF AT
9200 / 9193	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
9350 / 9343	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
9560 / 9553	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9650 / 9643	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9980 / 9972	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10010 /10002	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10160 /10152	DEF AT local marker floral increase	DEF AT
10910 /10899	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12470 /12457	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12650 /12637	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12912 /12899	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 917	Date of Summary: 23-JAN-2002	First Sample Examined: 6740
Lease Number: G15441	Source of Paleo: OPERATOR	Borehole MD: 12912
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12899
API Well Number: 608164040000	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 6740 - 12912	Water Depth: 4370
Public Info Code: Y 07-JAN-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6740 / 6735	DEF AT first sample examined	DEF AT 5
6830 / 6825	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
7610 / 7604	DEF AT - - - - -	DEF AT 5
7670 / 7664	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
8480 / 8473	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 4
9230 / 9223	DEF AT reworked material	DEF IN 4
9320 / 9313	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
9800 / 9793	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 4
9830 / 9823	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 4
9920 / 9912	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
9980 / 9972	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
11330 / 11318	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
12440 / 12427	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
12589 / 12576	POS AT reworked material	DEF IN 4
12590 / 12577	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
12912 / 12899	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 956	Date of Summary: 13-NOV-1999	First Sample Examined: 23970
Lease Number: G06893	Source of Paleo: OPERATOR	Borehole MD: 26228
Well Name: A013	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13500
API Well Number: 608164025201	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 191
Paleo Report Num: 1 of 2	Sample Range: 23970 - 26228	Water Depth: 3214
Public Info Code: Y 28-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23970 /12753	DEF AT first sample examined	DEF IN 3
24000 /12761	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF IN 3
24030 /12769	DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
24180 /12810	DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 3
24210 /12818	POS IN Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
24240 /12826	DEF AT -----	DEF AT 4
24330 /12852	DEF AT -----	DEF AT 4
24390 /12870	DEF AT -----	DEF AT 4
24450 /12888	DEF AT -----	DEF AT 4
24570 /12926	DEF AT turbid water facies	POS AT 4
24990 /13072	DEF AT -----	DEF AT 4
25050 /13093	DEF AT turbid water facies	DEF AT 4
25080 /13104	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
25380 /13209	POS AT reworked material	DEF AT 5
25381 /13209	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
25650 /13302	POS AT reworked material	DEF AT 5
25770 /13342	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
25920 /13394	DEF AT local marker foram increase	DEF AT 5
26070 /13446	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
26228 /13500	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 956	<b>Date of Summary:</b> 30-NOV-1999	<b>First Sample Examined:</b> 23970
<b>Lease Number:</b> G06893	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26228
<b>Well Name:</b> A013	<b>Paleo Done By:</b> BECK BIOSTRAT INC.	<b>Borehole TVD:</b> 13500
<b>API Well Number:</b> 608164025201	<b>Drilling Operator:</b> SHELL DEEPWATER PRODUCTION INC	<b>Rkb Elevation:</b> 191
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 23970 - 26220	<b>Water Depth:</b> 3214
<b>Public Info Code:</b> Y 28-NOV-2009	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23970 /12753	DEF AT first sample examined	DEF AT
24090 /12785	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
24270 /12835	POS AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
24990 /13072	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26220 /13498	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 962	Date of Summary: 07-JAN-2002	First Sample Examined: 6730
Lease Number: G15445	Source of Paleo: OPERATOR	Borehole MD: 13075
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13074
API Well Number: 608164039900	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6730 - 13075	Water Depth: 4677
Public Info Code: Y 15-DEC-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6730 / 6730	DEF AT first sample examined	DEF AT 6
6731 / 6731	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
7000 / 7000	DEF AT sample gap top	POS AT 6
8350 / 8349	DEF AT sample gap bottom	DEF AT 5
9100 / 9099	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
9158 / 9157	POS AT out-of-place section	DEF AT 5
9159 / 9158	POS AT salt weld	DEF AT 5
9160 / 9159	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9490 / 9489	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
9880 / 9879	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
10150 /10149	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10210 /10209	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
10360 /10359	DEF AT - - - - -	DEF AT 6
10500 /10499	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11040 /11039	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
11160 /11159	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
12450 /12449	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
12510 /12509	DEF AT - - - - -	DEF AT 6
12630 /12629	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
13075 /13074	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> VK 962	<b>Date of Summary:</b> 07-JAN-2002	<b>First Sample Examined:</b> 6730
<b>Lease Number:</b> G15445	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13075
<b>Well Name:</b> SS001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13074
<b>API Well Number:</b> 608164039900	<b>Drilling Operator:</b> TENNECO OIL COMPANY	<b>Rkb Elevation:</b> 60
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6730 - 13075	<b>Water Depth:</b> 4677
<b>Public Info Code:</b> Y 15-DEC-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6730 / 6730	DEF AT first sample examined	DEF AT
6731 / 6731	DEF IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
6820 / 6820	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7000 / 7000	DEF AT sample gap top	DEF AT
7510 / 7510	DEF AT sample gap bottom	DEF AT
7720 / 7719	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7810 / 7809	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8110 / 8109	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
9100 / 9099	DEF AT reworked material	DEF AT
9158 / 9157	POS AT out-of-place section	DEF AT
9159 / 9158	POS AT salt weld	DEF AT
9160 / 9159	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9460 / 9459	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9790 / 9789	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10150 /10149	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10180 /10179	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10890 /10889	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11130 /11129	DEF AT out-of-place section	DEF AT
12450 /12449	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12540 /12539	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12600 /12599	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13075 /13074	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 989	Date of Summary: 27-MAY-2003	First Sample Examined: 12930
Lease Number: G06898	Source of Paleo: OPERATOR	Borehole MD: 15320
Well Name: A033	Paleo Done By: OPERATOR	Borehole TVD: 14277
API Well Number: 608164041400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 143
Paleo Report Num: 1 of 1	Sample Range: 12930 - 15007	Water Depth: 1290
Public Info Code: Y 16-MAY-2013	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12931 /12358	DEF AT out-of-place section	DEF AT
12960 /12385	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12980 /12403	DEF AT first sample examined	DEF AT
13410 /12794	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
13440 /12821	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14310 /13556	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
14640 /13804	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14700 /13847	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14970 /14037	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 989	Date of Summary: 30-APR-2003	First Sample Examined: 13080
Lease Number: G06898	Source of Paleo: OPERATOR	Borehole MD: 18003
Well Name: A033	Paleo Done By: OPERATOR	Borehole TVD: 16192
API Well Number: 608164041401	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 143
Paleo Report Num: 1 of 1	Sample Range: 13080 - 18004	Water Depth: 1290
Public Info Code: Y 30-MAY-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13080 /12494	DEF AT first sample examined	DEF AT
13081 /12495	DEF AT out-of-place section	DEF AT
13230 /12631	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
13320 /12713	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
13530 /12902	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
13589 /12954	DEF AT out-of-place section	DEF AT
13590 /12955	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13710 /13060	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13890 /13214	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14040 /13339	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14190 /13461	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14219 /13484	POS AT reworked material	DEF AT
14220 /13485	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14640 /13804	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
15000 /14057	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
16410 /15061	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17070 /15524	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
17550 /15871	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17978 /16174	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 989	<b>Date of Summary:</b> 27-MAY-2003	<b>First Sample Examined:</b> 12930
<b>Lease Number:</b> G06898	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15007
<b>Well Name:</b> A033	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14349
<b>API Well Number:</b> 608164041402	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 143
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12930 - 15007	<b>Water Depth:</b> 1290
<b>Public Info Code:</b> Y 21-JUN-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12930 /12406	DEF AT first sample examined	DEF AT
12931 /12407	DEF AT out-of-place section	DEF AT
12960 /12434	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13410 /12854	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
13440 /12882	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14310 /13701	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
14640 /14009	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14700 /14065	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
15007 /14349	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 1001	Date of Summary: 01-JUN-1999	First Sample Examined: 13810
Lease Number: G16559	Source of Paleo: OPERATOR	Borehole MD: 17321
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16663
API Well Number: 608164034003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 9670 - 17321	Water Depth: 4113
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13810 /13034	DEF AT first sample examined	DEF AT 4
14140 /13265	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
14260 /13344	DEF AT local marker foram increase	DEF AT 4
14680 /13616	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14860 /13738	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
14980 /13820	DEF AT faunal change (no faunal increase)	DEF AT 5
15190 /13965	DEF AT sample gap top	POS AT 4
15240 /14000	DEF AT sample gap bottom	DEF IN 1
15310 /14049	DEF AT local marker foram increase	DEF IN 1
15610 /14256	DEF AT faunal change (no faunal increase)	DEF AT 4
15790 /14385	POS AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 4
15880 /14450	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
16120 /14631	DEF AT faunal change (no faunal increase)	DEF IN 1
16330 /14790	DEF AT local marker foram increase	DEF IN 1
16390 /14836	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
16690 /15070	DEF AT reworked material	DEF AT 4
16780 /15140	DEF AT local marker foram increase	DEF AT 4
16870 /15210	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
16930 /15256	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
16960 /15280	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
16988 /15301	DEF AT condensed section	DEF IN 6
16989 /15302	DEF IN deepwater facies Pontchartrain	DEF IN 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 1001	<b>Date of Summary:</b> 01-JUN-1999	<b>First Sample Examined:</b> 13810
<b>Lease Number:</b> G16559	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17321
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16663
<b>API Well Number:</b> 608164034003	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9670 - 17321	<b>Water Depth:</b> 4113
<b>Public Info Code:</b> Y 31-AUG-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16990 /15303	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF IN 6
17020 /15326	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 6
17140 /15420	DEF AT local marker foram increase	DEF IN 6
17260 /15515	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 6
17321 /15563	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 1001	Date of Summary: 01-JUL-1999	First Sample Examined: 13780
Lease Number: G16559	Source of Paleo: OPERATOR	Borehole MD: 17321
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16663
API Well Number: 608164034003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 13780 - 17321	Water Depth: 4113
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 14950=Helicosphaera perch-nielseniae, 17080=unique Cyclicargolithus neogammation (=synonym of Cyclicargolithus floridanus A), nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13780 /13014	DEF AT first sample examined	DEF AT
14200 /13305	DEF AT local marker floral increase	DEF AT
14410 /13439	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14650 /13596	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14800 /13697	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14860 /13738	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
14950 /13800	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15250 /14007	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
15370 /14090	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16960 /15280	DEF AT local marker floral increase	DEF AT
16961 /15280	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17050 /15350	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
17080 /15373	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17321 /15563	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 1001	Date of Summary: 01-MAY-1999	First Sample Examined: 6028
Lease Number: G16560	Source of Paleo: OPERATOR	Borehole MD: 13118
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13112
API Well Number: 608164034000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 6028 - 13110	Water Depth: 4126
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6028 / 6028	DEF AT first sample examined	DEF AT 5
6029 / 6029	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
6090 / 6090	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6150 / 6150	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
6180 / 6180	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
6480 / 6480	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
6510 / 6510	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 6
6540 / 6540	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6690 / 6690	DEF AT faunal change (no faunal increase)	DEF AT 5
6870 / 6870	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
6960 / 6960	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
7020 / 7020	DEF AT local marker foram increase	DEF AT 5
7350 / 7350	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
7470 / 7469	DEF AT local marker foram increase	DEF AT 6
7589 / 7588	DEF AT condensed section	DEF AT 6
7590 / 7589	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
7710 / 7709	DEF AT faunal change (no faunal increase)	DEF AT 5
7800 / 7799	DEF AT local marker foram increase	DEF AT 5
7980 / 7979	POS IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
8160 / 8159	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
8280 / 8279	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT 4
8670 / 8669	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 1001	Date of Summary: 01-MAY-1999	First Sample Examined: 6028
Lease Number: G16560	Source of Paleo: OPERATOR	Borehole MD: 13118
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13112
API Well Number: 608164034000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 6028 - 13110	Water Depth: 4126
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9030 / 9029	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
9420 / 9419	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9510 / 9509	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
9870 / 9869	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
10020 /10019	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
10200 /10199	DEF AT local marker foram increase	DEF AT 4
10348 /10347	POS AT condensed section	DEF AT 4
10349 /10348	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
10350 /10349	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
10380 /10379	DEF AT local marker foram increase	DEF AT 4
10440 /10439	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
10500 /10499	POS AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
10560 /10559	DEF AT local marker foram increase	DEF AT 5
10830 /10829	DEF AT faunal change (no faunal increase)	DEF AT 4
10920 /10919	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11040 /11039	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
11400 /11398	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11640 /11638	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
11820 /11818	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
12510 /12507	POS AT Arenaceous fauna (local marker)	DEF AT 4
12570 /12567	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13110 /13105	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VK 1001	Date of Summary: 01-MAY-1999	First Sample Examined: 6828
Lease Number: G16560	Source of Paleo: OPERATOR	Borehole MD: 13118
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13112
API Well Number: 608164034000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 6028 - 13110	Water Depth: 4126
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, 7980=Discoaster preberggrenii

MD / TVD	Paleo Top Description	Ecozone
6028 / 6028	DEF AT first sample examined	DEF AT
6090 / 6090	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
6480 / 6480	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6600 / 6600	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6930 / 6930	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7080 / 7080	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7980 / 7979	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
8640 / 8639	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
9360 / 9359	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9480 / 9479	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
9990 / 9989	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10410 /10409	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10530 /10529	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
10650 /10649	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11400 /11398	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11429 /11427	DEF AT condensed section	DEF AT
11430 /11428	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
12630 /12627	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13050 /13045	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
13110 /13105	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 1003	<b>Date of Summary:</b> 04-NOV-1999	<b>First Sample Examined:</b> 6760
<b>Lease Number:</b> G21160	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9848
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9848
<b>API Well Number:</b> 608164035000	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6760 - 9730	<b>Water Depth:</b> 4942
<b>Public Info Code:</b> Y 22-NOV-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 9580 to 9670=mixed late to middle Miocene flora

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6760 / 6760	DEF AT first sample examined	DEF AT
6790 / 6790	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
7360 / 7360	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9010 / 9010	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
9280 / 9280	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
9281 / 9281	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
9580 / 9580	POS AT salt weld	DEF AT
9730 / 9730	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 1003	<b>Date of Summary:</b> 06-JAN-2000	<b>First Sample Examined:</b> 6760
<b>Lease Number:</b> G21160	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9848
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9848
<b>API Well Number:</b> 608164035000	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 6760 - 9730	<b>Water Depth:</b> 4942
<b>Public Info Code:</b> Y 22-NOV-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6760 / 6760	DEF AT first sample examined	DEF AT 6
6761 / 6761	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9370 / 9370	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
9730 / 9730	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VK 1003	<b>Date of Summary:</b> 06-JAN-2000	<b>First Sample Examined:</b> 9684
<b>Lease Number:</b> G21160	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13391
<b>API Well Number:</b> 608164035001	<b>Drilling Operator:</b> TOTAL E&P USA INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9684 - 13420	<b>Water Depth:</b> 4942
<b>Public Info Code:</b> Y 18-JAN-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9684 / 9676	DEF AT first sample examined	DEF AT 6
9730 / 9722	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 6
10390 /10382	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 6
10840 /10832	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
10870 /10862	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
10960 /10952	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
11860 /11852	DEF AT reworked material	DEF AT 6
13270 /13261	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
13420 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 27	Date of Summary: 13-APR-2004	First Sample Examined: 8000
Lease Number: G24820	Source of Paleo: OPERATOR	Borehole MD: 15670
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15409
API Well Number: 177054119400	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 8000 - 15670	Water Depth: 13
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 8000	DEF AT first sample examined	DEF IN 3
8690 / 8690	POS AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF IN 3
8870 / 8870	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
8960 / 8960	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
9530 / 9530	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
9650 / 9650	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
10400 / 10400	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 3
11270 / 11263	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 3
12600 / 12527	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
13050 / 12955	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 3
15670 / 15409	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 37	Date of Summary: 16-JUL-1996	First Sample Examined: 8000
Lease Number: G15162	Source of Paleo: OPERATOR	Borehole MD: 15500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15498
API Well Number: 177054101800	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8000 - 15500	Water Depth: 30
Public Info Code: Y 26-JUL-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 /	DEF AT first sample examined	DEF AT 3
8690 /	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9350 /	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
9860 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
9980 /	DEF AT - - - - -	DEF AT 4
10040 /	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
10220 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
10520 /	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
10700 /	DEF AT - - - - -	DEF AT 3
12420 /	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
13200 /	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
14820 /	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
15500 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 47	Date of Summary: 14-MAR-2000	First Sample Examined: 3000
Lease Number: G15163	Source of Paleo: OPERATOR	Borehole MD: 17100
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17082
API Well Number: 177054110400	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3000 - 17100	Water Depth: 30
Public Info Code: Y 11-MAR-2001	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3000 / 3000	DEF AT first sample examined	DEF AT 1
6120 / 6120	DEF AT - - - - -	DEF AT 2
6360 / 6360	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
7800 / 7800	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
8430 / 8430	DEF AT - - - - -	POS AT 3
8670 / 8670	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9390 / 9390	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9660 / 9660	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
9870 / 9869	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
9871 / 9870	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
9900 / 9899	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
10080 / 10079	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
10680 / 10679	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
13820 / 13816	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
16040 / 16029	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
17100 / 17082	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 47	Date of Summary: 14-MAR-2000	First Sample Examined: 3000
Lease Number: G15163	Source of Paleo: OPERATOR	Borehole MD: 17100
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17082
API Well Number: 177054110400	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 3000 - 17100	Water Depth: 30
Public Info Code: Y 11-MAR-2001	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3000 / 3000	DEF AT first sample examined	DEF AT
3600 / 3600	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5730 / 5730	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
6150 / 6150	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7380 / 7380	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7740 / 7740	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8730 / 8730	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9630 / 9630	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
9870 / 9869	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10320 /10319	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11220 /11219	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
11250 /11249	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
13220 /13216	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17100 /17082	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 54	Date of Summary: 06-NOV-2006	First Sample Examined: 8050
Lease Number: G19754	Source of Paleo: OPERATOR	Borehole MD: 14958
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14669
API Well Number: 177054124700	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 8050 - 14950	Water Depth: 21
Public Info Code: Y 16-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8050 / 8049	DEF AT first sample examined	DEF AT 3
8051 / 8050	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
8110 / 8109	DEF AT -----	DEF AT 2
8980 / 8979	DEF AT -----	DEF AT 3
9070 / 9069	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9670 / 9669	DEF AT Upper Miocene (Tortonian) Bigenerina 2	DEF AT 3
9730 / 9729	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9760 / 9759	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
9820 / 9819	DEF AT -----	DEF AT 4
9970 / 9969	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10960 /10959	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
11110 /11109	DEF AT -----	DEF AT 3
11350 /11349	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
12820 /12814	DEF AT -----	DEF AT 4
12880 /12872	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
13450 /13414	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13600 /13550	DEF AT -----	DEF AT 3
13780 /13708	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
14350 /14176	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 3
14950 /14661	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 55	Date of Summary: 08-DEC-1998	First Sample Examined: 0
Lease Number: G15165	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10400
API Well Number: 177054108900	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 31-JUL-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6420 / 6420	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9000 / 9000	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 56	Date of Summary: 12-APR-2000	First Sample Examined: 0
Lease Number: G17888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10375
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10375
API Well Number: 177054111200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 28
Public Info Code: Y 06-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7708 / 7708	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8685 / 8685	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9428 / 9428	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 61	Date of Summary: 01-MAY-2006	First Sample Examined: 10890
Lease Number: G22575	Source of Paleo: OPERATOR	Borehole MD: 15138
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14030
API Well Number: 177054119003	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 10890 - 15142	Water Depth: 47
Public Info Code: Y 12-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10890 / 9843	DEF AT first sample examined	DEF AT 4
10891 / 9844	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11400 /10324	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
11640 /10557	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11819 /10733	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
11820 /10734	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
11910 /10822	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
13770 /12664	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
14850 /13743	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
15142 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 63	<b>Date of Summary:</b> 29-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15167	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10237
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9300
<b>API Well Number:</b> 177054112200	<b>Drilling Operator:</b> ATP OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 22-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7921 / 7578	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT
9718 / 8908	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 64  
 Lease Number: G15168  
 Well Name: 001  
 API Well Number: 177054100900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-JUL-2000

Date of Summary: 16-JAN-1996  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: ENERGY DEVELOPMENT CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9200  
 Borehole TVD: 9196  
 Rkb Elevation: 74  
 Water Depth: 44  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8140 / 8137	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8735 / 8731	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 65	Date of Summary: 20-AUG-1998	First Sample Examined: 0
Lease Number: G03327	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10012
API Well Number: 177054037101	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 20-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6280 / 6268	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
6583 / 6552	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
7110 / 7028	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7420 / 7305	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
8350 / 8173	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8719 / 8536	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9408 / 9221	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 66	Date of Summary: 18-JAN-2005	First Sample Examined: 10800
Lease Number: G04787	Source of Paleo: OPERATOR	Borehole MD: 14506
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 11856
API Well Number: 177054106901	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 10800 - 14506	Water Depth: 28
Public Info Code: Y 19-DEC-2012	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10800 / 9737	DEF AT first sample examined	DEF AT
10801 / 9738	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
10980 / 9854	DEF AT local marker foram increase	DEF AT
11670 /10275	DEF AT local marker foram increase	DEF AT
11820 /10364	DEF AT local marker foram increase	DEF AT
11880 /10400	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
11940 /10436	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
12210 /10594	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
12480 /10746	DEF AT local marker foram increase	DEF AT
12930 /10992	DEF AT local marker foram increase	DEF AT
12990 /11025	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
13290 /11191	DEF AT local marker foram increase	DEF AT
13770 /11457	DEF AT local marker foram increase	DEF AT
13920 /11540	DEF AT local marker foram increase	DEF AT
14370 /11783	DEF AT local marker foram increase	DEF AT
14506 /11856	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 67	Date of Summary: 18-JAN-2005	First Sample Examined: 10900
Lease Number: G04787	Source of Paleo: OPERATOR	Borehole MD: 12380
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 12033
API Well Number: 177054045703	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 10900 - 12380	Water Depth: 28
Public Info Code: Y 19-DEC-2012	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10900 /10653	DEF AT first sample examined	DEF AT
11030 /10774	DEF AT local marker foram increase	DEF AT
11330 /11054	POS AT local marker foram increase	DEF AT
11600 /11307	DEF AT local marker foram increase	DEF AT
12110 /11783	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
12380 /12033	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 67	<b>Date of Summary:</b> 18-JAN-2005	<b>First Sample Examined:</b> 10970
<b>Lease Number:</b> G04787	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12100
<b>Well Name:</b> 008	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11786
<b>API Well Number:</b> 177054045704	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10970 - 12110	<b>Water Depth:</b> 28
<b>Public Info Code:</b> Y 19-DEC-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, no diagnostic foram or coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10970 /10719	DEF AT first sample examined	DEF AT
11060 /10804	DEF AT local marker foram increase	DEF AT
11420 /11153	DEF AT local marker foram increase	DEF AT
11570 /11294	DEF AT local marker foram increase	DEF AT
12110 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 68	Date of Summary: 30-APR-1992	First Sample Examined: 5000
Lease Number: G08662	Source of Paleo: OPERATOR	Borehole MD: 12484
Well Name: A001	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12483
API Well Number: 177054090200	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 5000 - 12460	Water Depth: 23
Public Info Code: Y 27-MAY-2002	Ecozone Eq MMS:	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
5000 / 5000	DEF AT first sample examined	DEF AT 2
6500 / 6500	DEF AT - - - - -	DEF AT 3
6860 / 6860	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
7670 / 7670	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8060 / 8060	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8270 / 8270	DEF AT - - - - -	DEF AT 3
8720 / 8720	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
8721 / 8721	POS AT condensed section	DEF AT 4
9020 / 9020	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
9680 / 9680	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11020 / 11020	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
11080 / 11080	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
11260 / 11260	DEF AT - - - - -	DEF AT 4
12430 / 12429	DEF AT local marker foram increase	DEF AT 5
12460 / 12459	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 75  
Lease Number: G12863  
Well Name: 002  
API Well Number: 177054102200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 12-JAN-2000

Date of Summary: 29-OCT-1996  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: SEAGULL ENERGY E&P INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 11115  
Borehole TVD: 11000  
Rkb Elevation: 97  
Water Depth: 23  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9760 / 9741	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10500 /10429	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 78	Date of Summary: 30-SEP-1996	First Sample Examined: 6510
Lease Number: G04421	Source of Paleo: OPERATOR	Borehole MD: 12566
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 12027
API Well Number: 177054102400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 6510 - 12540	Water Depth: 38
Public Info Code: Y 21-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6510 / 6275	DEF AT first sample examined	DEF AT 2
7350 / 7034	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
8560 / 8126	DEF AT - - - - -	DEF AT 3
9380 / 8899	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
9810 / 9322	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
10590 /10095	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
10710 /10213	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
12540 /12002	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 84	<b>Date of Summary:</b> 09-DEC-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03124	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14100
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14091
<b>API Well Number:</b> 177054110600	<b>Drilling Operator:</b> BURLINGTON RESOURCES OFFSHORE INC	<b>Rkb Elevation:</b> 11
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 24-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10947 /10946	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
13135 /13130	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
13409 /13403	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 84	<b>Date of Summary:</b> 03-JUL-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03124	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11800
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11004
<b>API Well Number:</b> 177054111800	<b>Drilling Operator:</b> BURLINGTON RESOURCES OFFSHORE INC	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 24-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11576 /10806	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 90	<b>Date of Summary:</b> 20-FEB-2004	<b>First Sample Examined:</b> 5020
<b>Lease Number:</b> G24827	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17650
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17650
<b>API Well Number:</b> 177054118600	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5020 - 17650	<b>Water Depth:</b> 22
<b>Public Info Code:</b> Y 29-JUN-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5020 / 5020	DEF AT first sample examined	DEF AT 1
6370 / 6370	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
7600 / 7600	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 2
7750 / 7750	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
9190 / 9190	DEF AT faunal change (no faunal increase)	POS AT 3
9640 / 9640	POS AT Upper Miocene (Tortonian) Cristellaria "K"	POS AT 3
9910 / 9910	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
11080 /11080	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11110 /11110	DEF AT faunal change (no faunal increase)	DEF AT 4
11380 /11380	DEF AT faunal change (no faunal increase)	DEF AT 3
11740 /11740	DEF AT faunal change (no faunal increase)	DEF AT 4
12310 /12310	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
12670 /12670	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13240 /13240	DEF AT faunal change (no faunal increase)	DEF AT 5
13480 /13480	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13510 /13510	DEF AT faunal change (no faunal increase)	DEF AT 4
14050 /14050	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
15610 /15609	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
15670 /15669	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
15700 /15699	DEF AT faunal change (no faunal increase)	DEF AT 5
15940 /15939	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16570 /16569	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 90	Date of Summary: 20-FEB-2004	First Sample Examined: 5020
Lease Number: G24827	Source of Paleo: OPERATOR	Borehole MD: 17650
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17650
API Well Number: 177054118600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 5020 - 17650	Water Depth: 22
Public Info Code: Y 29-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17650 /17649	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 99	Date of Summary: 16-JAN-2002	First Sample Examined: 7500
Lease Number: G17891	Source of Paleo: OPERATOR	Borehole MD: 10602
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10601
API Well Number: 177054114400	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 7500 - 10602	Water Depth: 58
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
7500 / 7499	DEF AT first sample examined	DEF AT 3
7501 / 7500	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
7680 / 7679	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
8640 / 8639	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
9480 / 9479	DEF AT faunal change (no faunal increase)	POS AT 4
9900 / 9899	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
10140 /10139	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10602 /10601	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 99	<b>Date of Summary:</b> 16-JAN-2002	<b>First Sample Examined:</b> 10602
<b>Lease Number:</b> G17891	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20500
<b>API Well Number:</b> 177054114401	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10602 - 20500	<b>Water Depth:</b> 58
<b>Public Info Code:</b> Y 31-JUL-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10602 /10601	DEF AT first sample examined	DEF AT 4
10603 /10602	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11190 /11189	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11850 /11848	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12240 /12238	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
12390 /12388	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
12870 /12868	DEF AT faunal change (no faunal increase)	DEF AT 5
13140 /13138	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
13320 /13318	DEF AT faunal change (no faunal increase)	DEF AT 4
15900 /15897	DEF AT faunal change (no faunal increase)	DEF AT 5
16080 /16077	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16230 /16227	DEF AT faunal change (no faunal increase)	DEF AT 6
16590 /16587	DEF AT faunal change (no faunal increase)	DEF AT 5
16900 /16896	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
20500 /20488	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 100	Date of Summary: 09-FEB-1996	First Sample Examined: 0
Lease Number: G15174	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8800
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8800
API Well Number: 177054100500	Drilling Operator: ENERGY DEVELOPMENT CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7170 / 7170	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 101	Date of Summary: 13-OCT-1999	First Sample Examined: 0
Lease Number: G21088	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11127
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8932
API Well Number: 177054110500	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 30-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10665 / 8594	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 114	Date of Summary: 19-JUL-2000	First Sample Examined: 0
Lease Number: G17895	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10900
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 9585
API Well Number: 177054109200	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 27-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6540 / 6539	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7110 / 7109	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
7890 / 7855	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8550 / 8365	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 115	Date of Summary: 26-MAR-1998	First Sample Examined: 0
Lease Number: G13882	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11546
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10121
API Well Number: 177054107200	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 15-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 9763	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 124	<b>Date of Summary:</b> 16-APR-1997	<b>First Sample Examined:</b> 8497
<b>Lease Number:</b> 00495	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8410
<b>Well Name:</b> E005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8072
<b>API Well Number:</b> 177052000202	<b>Drilling Operator:</b> BURLINGTON RESOURCES OFFSHORE INC	<b>Rkb Elevation:</b> 108
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 6497 - 8410	<b>Water Depth:</b> 72
<b>Public Info Code:</b> Y 28-AUG-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6497 / 6298	DEF AT first sample examined	DEF AT 2
6610 / 6411	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
6730 / 6531	DEF AT - - - - -	POS AT 3
7780 / 7501	POS AT Upper Miocene (Tortonian) Robulus "E"	POS AT 3
8410 / 8072	DEF AT last sample examined	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 130	Date of Summary: 26-FEB-1998	First Sample Examined: 10830
Lease Number: G16296	Source of Paleo: OPERATOR	Borehole MD: 14134
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 13576
API Well Number: 177054106501	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 10830 - 14130	Water Depth: 60
Public Info Code: Y 22-FEB-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 /10811	DEF AT first sample examined	DEF AT 1
10831 /10812	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 1
11700 /11657	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
12300 /12190	DEF AT -----	DEF AT 2
12480 /12344	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
12720 /12544	DEF AT -----	DEF AT 1
13230 /12940	DEF AT -----	DEF AT 3
13300 /12992	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
13890 /13414	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
14130 /13573	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 131  
Lease Number: 00775  
Well Name: D001  
API Well Number: 177054108300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 15-JUN-2009

Date of Summary: 10-AUG-1999  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: STONE PETROLEUM CORPORATION  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 11892  
Borehole TVD: 11850  
Rkb Elevation: 90  
Water Depth: 60  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7390 / 7383	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
7600 / 7593	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
10450 /10410	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT
10540 /10499	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
11050 /11008	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11410 /11368	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 131	Date of Summary: 09-JAN-2001	First Sample Examined: 0
Lease Number: 00775	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15170
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD: 15170
API Well Number: 177054109700	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 16-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6300 / 6299	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9780 / 9771	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT
11070 /11061	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11940 /11931	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12830 /12820	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14280 /14267	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 144	Date of Summary: 02-NOV-2000	First Sample Examined: 4050
Lease Number: G03125	Source of Paleo: OPERATOR	Borehole MD: 17250
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17246
API Well Number: 177054111300	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 4050 - 17250	Water Depth: 87
Public Info Code: Y 08-MAY-2001	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
4050 / 4050	DEF AT first sample examined	POS AT 2
6000 / 6000	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
6090 / 6090	DEF AT local marker foram decrease	DEF AT 2
7110 / 7109	DEF AT Arenaceous fauna (local marker)	DEF AT 2
7530 / 7529	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9990 / 9989	DEF AT Eggerella sp. (local marker)	DEF AT 3
10050 /10049	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
10770 /10768	DEF AT Eggerella sp. (local marker)	DEF AT 3
11010 /11008	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11400 /11398	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11490 /11488	DEF AT Eggerella sp. (local marker)	DEF AT 3
11790 /11788	DEF AT Cyclammina sp. (local marker)	DEF AT 3
12390 /12387	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
12570 /12567	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
12900 /12897	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
15960 /15956	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
15990 /15986	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
16800 /16796	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
17130 /17126	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
17250 /17246	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 156	Date of Summary: 21-SEP-2001	First Sample Examined: 0
Lease Number: G21597	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14040
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13813
API Well Number: 177054042202	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13470 /13243	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 159	<b>Date of Summary:</b> 10-SEP-1997	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13750
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13348
<b>API Well Number:</b> 177054105600	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8010 - 14850	<b>Water Depth:</b> 92
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8010	DEF AT first sample examined	DEF AT 2
11130 /11125	DEF AT - - - - -	DEF AT 3
11160 /11154	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12060 /11990	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14850 /	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 159	<b>Date of Summary:</b> 10-SEP-1997	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13750
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13348
<b>API Well Number:</b> 177054105600	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8010 - 14850	<b>Water Depth:</b> 92
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8010	DEF AT first sample examined	DEF AT
9120 / 9120	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9150 / 9150	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11010 /11007	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11100 /11096	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13740 /13340	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14850 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 159	Date of Summary: 09-JUN-1998	First Sample Examined: 9900
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 14388
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13973
API Well Number: 177054107700	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9900 - 14370	Water Depth: 90
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9490	DEF AT first sample examined	DEF AT 2
11460 /11047	DEF AT - - - - -	DEF AT 3
11490 /11077	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12480 /12066	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14370 /13955	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 159	<b>Date of Summary:</b> 12-JUN-1998	<b>First Sample Examined:</b> 13720
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14082
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13667
<b>API Well Number:</b> 177054107701	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13720 - 14070	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13720 /13305	DEF AT first sample examined	DEF AT 3
13721 /13306	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14070 /13655	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 159	<b>Date of Summary:</b> 10-JUL-1998	<b>First Sample Examined:</b> 13710
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15050
<b>Well Name:</b> CJ001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14634
<b>API Well Number:</b> 177054107702	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13710 - 15050	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13710 /13295	DEF AT first sample examined	DEF AT 3
13711 /13296	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
15050 /14634	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 159	<b>Date of Summary:</b> 10-JUL-1998	<b>First Sample Examined:</b> 13710
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15050
<b>Well Name:</b> CJ001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14634
<b>API Well Number:</b> 177054107702	<b>Drilling Operator:</b> MCMORAN OIL & GAS LLC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13710 - 15050	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13710 /13295	DEF AT first sample examined	DEF AT
13770 /13355	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15050 /14634	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 160	Date of Summary: 10-MAR-1997	First Sample Examined: 15380
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 16370
Well Name: AJ003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16208
API Well Number: 177054104300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 112
Paleo Report Num: 1 of 4	Sample Range: 15380 - 16370	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Bypass 1 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15380 /15225	DEF AT first sample examined	DEF AT
16370 /16208	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 12-MAR-1997	<b>First Sample Examined:</b> 8520
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16370
<b>Well Name:</b> AJ003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16208
<b>API Well Number:</b> 177054104300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 8520 - 16040	<b>Water Depth:</b> 89
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8520 / 8519	DEF AT first sample examined	DEF AT 2
9000 / 8999	DEF AT sample gap top	POS AT 2
9120 / 9118	DEF AT sample gap bottom	DEF AT 2
9660 / 9650	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
11040 /10977	DEF AT - - - - -	DEF AT 3
11070 /11006	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11280 /11208	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
13470 /13331	DEF AT sample gap top	POS AT 3
14000 /13853	DEF AT sample gap bottom	DEF AT 3
16040 /15881	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 12-MAR-1997	<b>First Sample Examined:</b> 8520
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16370
<b>Well Name:</b> AJ003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16208
<b>API Well Number:</b> 177054104300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 8520 - 16040	<b>Water Depth:</b> 89
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8520 / 8519	DEF AT first sample examined	DEF AT
9630 / 9620	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9720 / 9708	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11040 /10977	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15710 /15554	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16040 /15881	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 160	Date of Summary: 12-MAR-1997	First Sample Examined: 15380
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 16370
Well Name: AJ003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16208
API Well Number: 177054104300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 112
Paleo Report Num: 4 of 4	Sample Range: 15380 - 16370	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report for bypass 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15380 /15225	DEF AT first sample examined	DEF AT
15710 /15554	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16370 /16208	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 160	Date of Summary: 09-OCT-1997	First Sample Examined: 11000
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15496
Well Name: AJ005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15235
API Well Number: 177054105700	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 1 of 2	Sample Range: 11000 - 15496	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10799	DEF AT first sample examined	DEF AT 2
11270 /11053	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12240 /11988	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14840 /14581	DEF AT local marker foram increase	DEF AT 3
14990 /14731	DEF AT local marker foram decrease	DEF AT 3
15020 /14761	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 3
15050 /14791	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
15170 /14910	DEF AT local marker foram decrease	DEF AT 3
15200 /14940	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
15230 /14970	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
15496 /15235	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 27-OCT-1997	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15496
<b>Well Name:</b> AJ005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15235
<b>API Well Number:</b> 177054105700	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11000 - 15496	<b>Water Depth:</b> 89
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10799	DEF AT first sample examined	DEF AT
11001 /10800	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13850 /13591	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
15050 /14791	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15496 /15235	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 25-JUL-1997	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15702
<b>Well Name:</b> AJ006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15280
<b>API Well Number:</b> 177054104800	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 117
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 11000 - 15020	<b>Water Depth:</b> 88
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10655	DEF AT first sample examined	DEF AT 2
11570 /11197	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12470 /12064	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
15020 /14599	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 25-JUL-1997	<b>First Sample Examined:</b> 14000
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15702
<b>Well Name:</b> AJ006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15280
<b>API Well Number:</b> 177054104800	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 117
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 14000 - 15705	<b>Water Depth:</b> 88
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Bypass report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14000 /13580	DEF AT first sample examined	DEF AT 3
15170 /14749	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
15705 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 25-JUL-1997	<b>First Sample Examined:</b> 11000
<b>Lease Number:</b> G03128	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15702
<b>Well Name:</b> AJ006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15280
<b>API Well Number:</b> 177054104800	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 117
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 11000 - 15020	<b>Water Depth:</b> 88
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10655	DEF AT first sample examined	DEF AT
11001 /10656	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14780 /14359	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15020 /14599	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 160	Date of Summary: 12-NOV-1997	First Sample Examined: 8290
Lease Number: G08668	Source of Paleo: OPERATOR	Borehole MD: 14810
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14668
API Well Number: 177054106300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 8290 - 14810	Water Depth: 93
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8290 / 8290	DEF AT first sample examined	DEF AT 2
8320 / 8320	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 2
9610 / 9610	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
10990 /10989	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12160 /12158	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14810 /14668	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 160	Date of Summary: 12-NOV-1997	First Sample Examined: 10510
Lease Number: G08668	Source of Paleo: OPERATOR	Borehole MD: 14810
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14668
API Well Number: 177054106300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 10510 - 14810	Water Depth: 93
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10510 /10509	DEF AT first sample examined	DEF AT
10960 /10959	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13240 /13203	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
14810 /14668	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 160	Date of Summary: 06-NOV-1992	First Sample Examined: 0
Lease Number: G08668	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15615
Well Name: AJ002	Paleo Done By: OPERATOR	Borehole TVD: 15233
API Well Number: 177054090400	Drilling Operator: FMP OPERATING COMPANY A LIMIT	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 89
Public Info Code: Y 06-NOV-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11273 /11151	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
14205 /13905	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 19-APR-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08668	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17025
<b>Well Name:</b> AJ002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16725
<b>API Well Number:</b> 177054090401	<b>Drilling Operator:</b> FMP OPERATING COMPANY A LIMIT	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 89
<b>Public Info Code:</b> Y 16-DEC-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14259 /13967	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
16196 /15899	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 21-NOV-1997	<b>First Sample Examined:</b> 10680
<b>Lease Number:</b> G08668	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14536
<b>Well Name:</b> BJ001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14475
<b>API Well Number:</b> 177054106301	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10680 - 14536	<b>Water Depth:</b> 93
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10679	DEF AT first sample examined	DEF AT 2
10920 /10918	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11850 /11833	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14536 /14475	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 160	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 10680
<b>Lease Number:</b> G08668	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14536
<b>Well Name:</b> BJ001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14475
<b>API Well Number:</b> 177054106301	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10680 - 14536	<b>Water Depth:</b> 93
<b>Public Info Code:</b> Y 29-JUN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 /10679	DEF AT first sample examined	DEF AT
10920 /10918	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13290 /13246	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
14520 /14459	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14536 /14475	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 160  
 Lease Number: G10661  
 Well Name: AJ001  
 API Well Number: 177054090300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 28-MAR-2000

Date of Summary: 06-APR-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: FREEPORT MCMORAN INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 16828  
 Borehole TVD: 16639  
 Rkb Elevation: 88  
 Water Depth: 90  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12028 /12026	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
13600 /13598	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
15760 /15629	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 161  
Lease Number: G01127  
Well Name: BJ001  
API Well Number: 177054086000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 13-DEC-2000

Date of Summary: 28-OCT-1994  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: FREEPORT MCMORAN INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 16948  
Borehole TVD: 16046  
Rkb Elevation: 82  
Water Depth: 93  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8910 / 8909	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
10030 /10029	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10690 /10687	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
12220 /12196	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14710 /14549	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
16270 /15939	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 161	Date of Summary: 21-JUL-1999	First Sample Examined: 0
Lease Number: G01127	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16600
Well Name: BJ002	Paleo Done By: OPERATOR	Borehole TVD: 15160
API Well Number: 177054087200	Drilling Operator: FREEPORT MCMORAN INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 20-JAN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9240 / 9180	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
10420 /10159	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12670 /11980	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
15720 /14437	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 167	Date of Summary: 23-OCT-2007	First Sample Examined: 8490
Lease Number: G27858	Source of Paleo: OPERATOR	Borehole MD: 13293
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12373
API Well Number: 177054126300	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 8490 - 13210	Water Depth: 92
Public Info Code: Y 19-SEP-2011	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8490 / 8490	DEF AT first sample examined	DEF IN 3
8520 / 8520	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 3
9389 / 9389	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 3
9390 / 9390	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 3
10350 /10333	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 3
10830 /10768	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 3
11580 /11365	DEF AT - - - - -	DEF AT 4
11668 /11428	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
11669 /11428	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
11670 /11429	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
13210 /12326	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 167	<b>Date of Summary:</b> 15-NOV-2007	<b>First Sample Examined:</b> 13090
<b>Lease Number:</b> G27858	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13894
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12727
<b>API Well Number:</b> 177054126301	<b>Drilling Operator:</b> ENI US OPERATING CO INC	<b>Rkb Elevation:</b> 108
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13090 - 13880	<b>Water Depth:</b> 92
<b>Public Info Code:</b> Y 19-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13090 /12276	DEF AT first sample examined	DEF AT 4
13091 /12277	DEF IN Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
13092 /12277	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
13190 /12331	DEF AT Bathysiphon fauna	DEF AT 4
13579 /12549	DEF AT Eggerella sp. (local marker)	DEF AT 4
13580 /12550	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
13640 /12584	DEF AT Eggerella 3 (local marker)	DEF AT 4
13880 /12719	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 175	<b>Date of Summary:</b> 26-SEP-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07684	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 5600
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5600
<b>API Well Number:</b> 177054088900	<b>Drilling Operator:</b> WAYMAN W BUCHANAN INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 101
<b>Public Info Code:</b> Y 04-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5378 / 5377	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 178	Date of Summary: 23-MAY-1993	First Sample Examined: 0
Lease Number: G11871	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12626
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12247
API Well Number: 177054091800	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 99
Public Info Code: Y 24-AUG-2002	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8790 / 8725	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11640 / 11365	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 178	Date of Summary: 08-JUL-2013	First Sample Examined: 4530
Lease Number: G33086	Source of Paleo: OPERATOR	Borehole MD: 14037
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12431
API Well Number: 177054128900	Drilling Operator: ENERGY XXI GOM LLC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 4530 - 14037	Water Depth: 105
Public Info Code: Y 19-OCT-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4528	DEF AT first sample examined	DEF AT 1
4590 / 4588	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 1
6180 / 6139	DEF AT -----	DEF AT 2
6300 / 6248	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
6600 / 6513	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 2
7200 / 7010	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
8800 / 8260	DEF AT -----	DEF AT 3
9540 / 8853	DEF AT -----	DEF AT 2
10530 / 9655	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
10650 / 9750	POS IN Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 3
10830 / 9891	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
11010 /10031	DEF AT -----	DEF AT 4
11248 /10218	POS AT fault	DEF AT 4
11249 /10218	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
11250 /10219	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
12150 /10952	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
12930 /11566	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
13530 /12027	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
13680 /12146	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
13830 /12265	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
14037 /12431	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 178	Date of Summary: 06-AUG-2013	First Sample Examined: 9000
Lease Number: G33086	Source of Paleo: OPERATOR	Borehole MD: 11353
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10305
API Well Number: 177054128901	Drilling Operator: ENERGY XXI GOM LLC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 9000 - 14040	Water Depth: 104
Public Info Code: Y 19-OCT-2014	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8419	DEF AT first sample examined	DEF AT 3
9001 / 8420	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
9540 / 8853	DEF AT -----	DEF AT 2
10620 / 9717	DEF AT -----	DEF AT 3
10680 / 9764	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
11040 /10052	DEF AT -----	DEF AT 4
11610 /	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
12990 /	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
13320 /	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
13680 /	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
14040 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 179	Date of Summary: 11-OCT-2013	First Sample Examined: 4530
Lease Number: G32145	Source of Paleo: OPERATOR	Borehole MD: 14115
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12168
API Well Number: 177054129100	Drilling Operator: ENERGY XXI GOM LLC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 4530 - 14100	Water Depth: 105
Public Info Code: Y 18-NOV-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT first sample examined	DEF IN 1
4800 / 4799	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 1
4950 / 4949	DEF AT - - - - -	DEF AT 2
5250 / 5247	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 2
5550 / 5541	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
5760 / 5745	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
5880 / 5860	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 2
6360 / 6315	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7170 / 7038	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
7320 / 7163	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 3
7470 / 7285	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
7860 / 7604	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
7890 / 7629	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 3
8190 / 7878	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
8550 / 8178	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
9120 / 8646	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
9480 / 8940	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
9600 / 9038	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
10080 / 9427	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
11070 / 10189	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
12210 / 10968	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
12270 / 11006	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 179	<b>Date of Summary:</b> 11-OCT-2013	<b>First Sample Examined:</b> 4530
<b>Lease Number:</b> G32145	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14115
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12168
<b>API Well Number:</b> 177054129100	<b>Drilling Operator:</b> ENERGY XXI GOM LLC	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4530 - 14100	<b>Water Depth:</b> 105
<b>Public Info Code:</b> Y 18-NOV-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12690 /11275	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
12750 /11312	DEF AT - - - - -	DEF AT 5
13799 /11968	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
13800 /11969	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
14100 /12159	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 179	Date of Summary: 07-JAN-2014	First Sample Examined: 14125
Lease Number: G32145	Source of Paleo: OPERATOR	Borehole MD: 19915
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15700
API Well Number: 177054129101	Drilling Operator: ENERGY XXI GOM LLC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 14125 - 19915	Water Depth: 105
Public Info Code: Y 18-NOV-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14125 /12317	DEF AT first sample examined	DEF AT 5
14126 /12318	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15090 /12907	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15900 /13361	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
16200 /13534	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
16320 /13603	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
17790 /14459	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
18420 /14827	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
18780 /15037	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
19740 /15597	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
19915 /15700	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 179	Date of Summary: 12-MAR-2014	First Sample Examined: 14160
Lease Number: G32145	Source of Paleo: OPERATOR	Borehole MD: 16631
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14490
API Well Number: 177054129102	Drilling Operator: ENERGY XXI GOM LLC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 14160 - 16631	Water Depth: 104
Public Info Code: Y 18-NOV-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14160 /12343	DEF AT first sample examined	DEF AT 5
14280 /12434	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15660 /13603	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15900 /13822	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
16080 /13987	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16169 /14068	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
16170 /14069	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
16631 /14490	DEF AT last sample examined	DEF AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 182	Date of Summary: 31-MAY-1994	First Sample Examined: 5630
Lease Number: G10665	Source of Paleo: OPERATOR	Borehole MD: 14172
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 11662
API Well Number: 177054095300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 5630 - 14210	Water Depth: 100
Public Info Code: Y 06-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5630 / 5424	DEF AT first sample examined	DEF AT 1
5660 / 5446	DEF AT cement	DEF AT 1
5810 / 5553	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
5960 / 5656	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 2
6290 / 5882	DEF AT faunal change (no faunal increase)	DEF AT 1
7160 / 6500	DEF AT faunal change (no faunal increase)	DEF AT 2
7580 / 6806	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
7760 / 6939	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 2
7880 / 7028	DEF AT faunal change (no faunal increase)	DEF AT 1
8150 / 7228	DEF AT faunal change (no faunal increase)	DEF AT 2
8240 / 7293	DEF AT faunal change (no faunal increase)	DEF AT 1
8270 / 7315	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 1
8990 / 7835	DEF AT faunal change (no faunal increase)	DEF AT 2
9500 / 8210	DEF AT faunal change (no faunal increase)	DEF AT
9560 / 8255	DEF AT faunal change (no faunal increase)	DEF AT 2
10520 / 8963	DEF AT faunal change (no faunal increase)	DEF AT 3
10580 / 9007	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
10970 / 9294	DEF AT faunal change (no faunal increase)	DEF AT 2
12320 /10290	DEF AT faunal change (no faunal increase)	DEF AT 3
12380 /10334	DEF AT faunal change (no faunal increase)	DEF AT 2
13010 /10804	DEF AT faunal change (no faunal increase)	DEF AT 3
13160 /10915	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 182	Date of Summary: 31-MAY-1994	First Sample Examined: 5630
Lease Number: G10665	Source of Paleo: OPERATOR	Borehole MD: 14172
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 11662
API Well Number: 177054095300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 5630 - 14210	Water Depth: 100
Public Info Code: Y 06-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14210 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 182	<b>Date of Summary:</b> 24-JAN-1995	<b>First Sample Examined:</b> 7230
<b>Lease Number:</b> G10665	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11926
<b>Well Name:</b> JB001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11741
<b>API Well Number:</b> 177054096500	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 103
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7200 - 11890	<b>Water Depth:</b> 104
<b>Public Info Code:</b> Y 23-NOV-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7200 / 7199	DEF AT first sample examined	POS AT 2
7230 / 7229	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 2
7980 / 7979	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 2
8250 / 8249	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
9224 / 9223	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
11890 / 11713	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 188	Date of Summary: 29-JAN-1991	First Sample Examined: 0
Lease Number: G07684	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13602
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10786
API Well Number: 177054087500	Drilling Operator: FMP OPERATING COMPANY A LIMIT	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 102
Public Info Code: Y 30-JAN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8120 / 7283	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
9350 / 8113	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13280 /10587	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 189	Date of Summary: 01-APR-1996	First Sample Examined: 4222
Lease Number: G15183	Source of Paleo: OPERATOR	Borehole MD: 13900
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13825
API Well Number: 177054101100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 80
Paleo Report Num: 1 of 5	Sample Range: 4192 - 10393	Water Depth: 107
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4222 / 4221	DEF AT first sample examined	DEF AT 1
4223 / 4222	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 1
4224 / 4223	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 1
4252 / 4251	DEF AT sample gap top	POS AT 1
4530 / 4526	DEF AT sample gap bottom	DEF AT 1
4620 / 4614	DEF AT sample gap top	POS AT 1
4720 / 4712	DEF AT sample gap bottom	DEF AT 1
4856 / 4845	DEF AT faunal change (no faunal increase)	DEF AT 1
5044 / 5030	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 1
5045 / 5031	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
5620 / 5594	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 1
5777 / 5748	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 1
5870 / 5839	DEF AT pyrite	DEF AT 1
6988 / 6937	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 1
7114 / 7060	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 1
7523 / 7464	DEF AT faunal change (no faunal increase)	DEF AT 2
7652 / 7593	DEF AT pyrite	DEF AT 2
7715 / 7656	DEF AT faunal change (no faunal increase)	DEF AT 1
7779 / 7719	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 1
8096 / 8036	DEF AT local marker benthic foram increase	DEF AT 1
8227 / 8167	DEF AT faunal change (no faunal increase)	DEF AT 2
8285 / 8225	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 189  
Lease Number: G15183  
Well Name: 001  
API Well Number: 177054101100  
Paleo Report Num: 1 of 5  
Public Info Code: Y 30-JUN-2000

Date of Summary: 01-APR-1996  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 4192 - 10393  
Ecozone Eq MMS: Y

First Sample Examined: 4222  
Borehole MD: 13900  
Borehole TVD: 13825  
Rkb Elevation: 80  
Water Depth: 107  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8362 / 8302	DEF AT faunal change (no faunal increase)	DEF AT 1
8930 / 8870	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
9087 / 9027	DEF AT faunal change (no faunal increase)	DEF AT 2
9534 / 9474	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
9598 / 9538	DEF AT pyrite	DEF AT 2
9660 / 9600	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
9692 / 9632	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 2
9873 / 9813	DEF AT faunal change (no faunal increase)	DEF AT 2
9941 / 9881	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
10002 / 9942	DEF AT pyrite	DEF AT 2
10205 /10145	DEF AT salt	POS AT 3
10392 /10332	DEF AT gypsum	DEF AT 3
10393 /10333	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 189	<b>Date of Summary:</b> 01-APR-1996	<b>First Sample Examined:</b> 10420
<b>Lease Number:</b> G15183	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13900
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 13825
<b>API Well Number:</b> 177054101100	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 2 of 5	<b>Sample Range:</b> 10420 - 11154	<b>Water Depth:</b> 107
<b>Public Info Code:</b> Y 30-JUN-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Bypass 1 or 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10420 /10360	DEF AT first sample examined	DEF AT 2
10770 /10710	DEF AT pyrite	DEF AT 2
10802 /10742	DEF AT faunal change (no faunal increase)	DEF AT 3
10962 /10901	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 3
11122 /11061	DEF IN salt	DEF AT 3
11154 /11093	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 189	Date of Summary: 01-APR-1996	First Sample Examined: 11189
Lease Number: G15183	Source of Paleo: OPERATOR	Borehole MD: 13900
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13825
API Well Number: 177054101100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 80
Paleo Report Num: 3 of 5	Sample Range: 11189 - 13900	Water Depth: 107
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 005

Remark: Calcareous nannofossil report for bypass 4

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11189 /11128	DEF AT first sample examined	DEF AT 3
11284 /11223	DEF AT faunal change (no faunal increase)	DEF AT 2
11601 /11540	POS AT unconformity	DEF AT 3
11602 /11541	POS AT fault	DEF AT 3
11794 /11733	DEF AT Arenaceous fauna (local marker)	POS AT 3
11953 /11891	DEF AT sample gap top	POS AT 3
12100 /12038	DEF AT sample gap bottom	POS AT 3
12278 /12216	DEF AT faunal change (no faunal increase)	DEF AT 3
12372 /12310	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
12436 /12374	DEF AT pyrite	DEF AT 3
12564 /12501	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
12814 /12750	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 3
13126 /13062	DEF AT faunal change (no faunal increase)	DEF AT 3
13244 /13179	DEF AT Cyclammia cancellata (local marker)	DEF AT 3
13430 /13364	DEF AT local marker foram increase	DEF AT 4
13652 /13582	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13682 /13611	DEF AT faunal change (no faunal increase)	DEF AT 3
13875 /13800	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13900 /13824	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> VR 189	<b>Date of Summary:</b> 26-APR-1996	<b>First Sample Examined:</b> 4192
<b>Lease Number:</b> G15183	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13900
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13825
<b>API Well Number:</b> 177054101100	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 4 of 5	<b>Sample Range:</b> 4192 - 13900	<b>Water Depth:</b> 107
<b>Public Info Code:</b> Y 30-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4192 / 4191	DEF AT first sample examined	DEF AT
7523 / 7464	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7587 / 7528	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
8285 / 8225	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
9510 / 9450	DEF IN Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
10802 /10742	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13900 /13824	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 189	Date of Summary: 30-JUN-1996	First Sample Examined: 4222
Lease Number: G15183	Source of Paleo: OPERATOR	Borehole MD: 13900
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13825
API Well Number: 177054101100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 80
Paleo Report Num: 5 of 5	Sample Range: 4192 - 13900	Water Depth: 107
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4222 / 4221	DEF AT first sample examined	DEF AT 2
7523 / 7464	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 2
7587 / 7528	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 2
8285 / 8225	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 2
9510 / 9450	DEF IN Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT 2
9660 / 9600	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
10802 /10742	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
12372 /12310	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
13900 /13824	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 196	Date of Summary: 05-OCT-2000	First Sample Examined: 9990
Lease Number: G19760	Source of Paleo: OPERATOR	Borehole MD: 14798
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14796
API Well Number: 177054112300	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9990 - 14820	Water Depth: 113
Public Info Code: Y 15-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9990	DEF AT first sample examined	DEF AT 3
9991 / 9991	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
10350 /10350	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 3
10530 /10530	POS AT Cyclammina cancellata (local marker)	POS AT 4
10590 /10590	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
10680 /10680	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
12060 /12059	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
12840 /12839	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
12930 /12929	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13560 /13559	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
14820 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 199	Date of Summary: 24-JAN-1996	First Sample Examined: 8000
Lease Number: G09499	Source of Paleo: OPERATOR	Borehole MD: 15947
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 12221
API Well Number: 177054099400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 8000 - 15854	Water Depth: 111
Public Info Code: Y 12-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 6731	DEF AT first sample examined	DEF AT
8963 / 7357	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9121 / 7461	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11669 / 9199	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
15854 / 12158	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 200	Date of Summary: 09-SEP-1993	First Sample Examined: 8670
Lease Number: G09500	Source of Paleo: OPERATOR	Borehole MD: 14430
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14010
API Well Number: 177054092100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 65
Paleo Report Num: 1 of 1	Sample Range: 4500 - 14435	Water Depth: 105
Public Info Code: Y 17-JUL-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8670 / 8543	DEF AT first sample examined	DEF IN 2
9510 / 9307	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 3
10080 / 9833	DEF AT -----	DEF AT 3
11340 /11019	DEF AT drilling material	POS AT 3
12120 /11768	DEF AT -----	DEF AT 3
14130 /13715	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
14435 /	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 201	Date of Summary: 23-OCT-1984	First Sample Examined: 0
Lease Number: G02075	Source of Paleo: OPERATOR	Borehole MD: 11650
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11650
API Well Number: 177054003500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 66
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 17-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5970 /	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
6510 /	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
9480 /	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 201	Date of Summary: 02-MAY-1996	First Sample Examined: 0
Lease Number: G02075	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10479
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10250
API Well Number: 177054009601	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 104
Public Info Code: Y 17-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5918 / 5786	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7447 / 7306	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 203	<b>Date of Summary:</b> 06-MAR-1996	<b>First Sample Examined:</b> 4205
<b>Lease Number:</b> G12871	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18730
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17475
<b>API Well Number:</b> 177054100100	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 4205 - 7800	<b>Water Depth:</b> 110
<b>Public Info Code:</b> Y 15-NOV-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4205 / 4205	DEF AT first sample examined	DEF AT 1
5310 / 5309	DEF AT - - - - -	DEF AT 2
5340 / 5339	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6330 / 6328	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
6540 / 6537	DEF AT - - - - -	DEF AT 3
6720 / 6717	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
7350 / 7347	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
7800 / 7797	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 203	<b>Date of Summary:</b> 06-MAR-1996	<b>First Sample Examined:</b> 7080
<b>Lease Number:</b> G12871	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18730
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17475
<b>API Well Number:</b> 177054100100	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 7080 - 16200	<b>Water Depth:</b> 110
<b>Public Info Code:</b> Y 15-NOV-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Sidetrack 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7080 / 7077	DEF AT first sample examined	DEF AT 3
7081 / 7078	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
7410 / 7407	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
9030 / 9026	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11400 /11297	DEF AT -----	DEF AT 4
12180 /11935	DEF AT -----	DEF AT 5
12210 /11959	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
13050 /12654	DEF AT -----	DEF AT 6
14640 /13999	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
15720 /14911	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
16200 /15312	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 203	<b>Date of Summary:</b> 06-MAR-1996	<b>First Sample Examined:</b> 16200
<b>Lease Number:</b> G12871	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18730
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17475
<b>API Well Number:</b> 177054100100	<b>Drilling Operator:</b> HOUSTON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 16200 - 18729	<b>Water Depth:</b> 110
<b>Public Info Code:</b> Y 15-NOV-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Sidetrack 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16200 /15312	DEF AT first sample examined	DEF AT 6
16950 /15934	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
17550 /16427	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
17580 /16452	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
18300 /17074	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
18729 /17472	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 208	Date of Summary: 28-JUN-2004	First Sample Examined: 7520
Lease Number: G22627	Source of Paleo: OPERATOR	Borehole MD: 19697
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19690
API Well Number: 177054120200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 7520 - 19697	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7520 / 7520	DEF AT first sample examined	DEF AT 2
7640 / 7640	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9500 / 9500	DEF AT - - - - -	DEF AT 3
10010 /10010	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
10970 /10970	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11000 /11000	POS AT - - - - -	POS AT 4
11960 /11959	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13820 /13819	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
14510 /14509	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
17030 /17026	DEF AT - - - - -	DEF AT 5
17150 /17146	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
17180 /17176	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
18560 /18555	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 6
18650 /18644	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
19490 /19483	DEF AT - - - - -	DEF IN 5
19575 /19568	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
19697 /19690	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 208	Date of Summary: 28-JUN-2004	First Sample Examined: 13010
Lease Number: G22627	Source of Paleo: OPERATOR	Borehole MD: 19697
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19690
API Well Number: 177054120200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 13010 - 19697	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13010 /13009	DEF AT first sample examined	DEF AT
13610 /13609	POS AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
14240 /14239	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14510 /14509	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17870 /17866	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18650 /18644	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18680 /18674	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19430 /19423	POS AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
19520 /19513	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19697 /19690	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 215	Date of Summary: 30-MAR-2000	First Sample Examined: 0
Lease Number: G01140	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13163
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 12468
API Well Number: 177052002001	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 126
Public Info Code: Y 29-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12660 /12017	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 217  
Lease Number: G01141  
Well Name: A008  
API Well Number: 177054086200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 04-DEC-2000

Date of Summary: 18-JAN-1991  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: TAYLOR ENERGY COMPANY  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 14609  
Borehole TVD: 14358  
Rkb Elevation: 88  
Water Depth: 121  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9369	DEF AT -----	DEF AT 3
9840 / 9720	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13860 /13621	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 225	<b>Date of Summary:</b> 21-JUL-1992	<b>First Sample Examined:</b> 3540
<b>Lease Number:</b> G01143	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9753
<b>Well Name:</b> B004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9731
<b>API Well Number:</b> 177054090500	<b>Drilling Operator:</b> MIDGARD ENERGY COMPANY	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3540 - 9750	<b>Water Depth:</b> 118
<b>Public Info Code:</b> Y 12-AUG-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3540 / 3538	DEF AT first sample examined	DEF AT 1
4320 / 4318	DEF AT - - - - -	DEF AT 2
4920 / 4918	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
6300 / 6285	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	POS AT 3
7170 / 7150	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
7200 / 7180	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 3
7260 / 7240	DEF AT local marker foram decrease	DEF AT 3
7380 / 7359	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 3
7740 / 7719	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 4
8220 / 8199	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
9180 / 9158	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
9750 / 9728	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 225	<b>Date of Summary:</b> 10-SEP-1992	<b>First Sample Examined:</b> 4770
<b>Lease Number:</b> G01143	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10632
<b>Well Name:</b> B005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10559
<b>API Well Number:</b> 177054090600	<b>Drilling Operator:</b> MIDGARD ENERGY COMPANY	<b>Rkb Elevation:</b> 129
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4770 - 10630	<b>Water Depth:</b> 118
<b>Public Info Code:</b> Y 17-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4770 / 4769	DEF AT first sample examined	DEF IN 2
5850 / 5841	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	POS AT 3
6630 / 6588	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
7739 / 7668	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 4
7740 / 7669	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 4
7830 / 7758	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
9330 / 9257	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
9630 / 9557	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
10630 /10557	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 225	Date of Summary: 25-FEB-2009	First Sample Examined: 10890
Lease Number: G01143	Source of Paleo: OPERATOR	Borehole MD: 15145
Well Name: B007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14809
API Well Number: 177054126900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 10890 - 15145	Water Depth: 118
Public Info Code: Y 19-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10890 /10887	DEF AT first sample examined	DEF AT 3
10920 /10917	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
10979 /10976	POS AT maximum flooding surface	DEF AT 3
10980 /10977	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 3
11130 /11127	DEF AT - - - - -	DEF AT 4
11669 /11666	POS AT maximum flooding surface	DEF AT 4
11670 /11667	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 4
11700 /11697	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
12330 /12324	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
12540 /12529	POS AT maximum flooding surface	DEF AT 4
13019 /12980	POS AT maximum flooding surface	DEF AT 4
13020 /12980	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
13080 /13034	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 4
13680 /13556	POS AT maximum flooding surface	DEF AT 4
14910 /14608	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
15145 /14809	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 225	<b>Date of Summary:</b> 04-AUG-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15189	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13685
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13674
<b>API Well Number:</b> 177054105200	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 120
<b>Public Info Code:</b> Y 20-AUG-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8590 / 8586	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
11440 /11434	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
12580 /12571	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 225	Date of Summary: 15-FEB-2005	First Sample Examined: 7640
Lease Number: G15189	Source of Paleo: OPERATOR	Borehole MD: 13273
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12621
API Well Number: 177054121500	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 7640 - 13280	Water Depth: 120
Public Info Code: Y 09-MAR-2015	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
7640 / 7637	DEF AT first sample examined	DEF AT 2
7641 / 7638	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8090 / 8085	DEF AT -----	DEF AT 3
9560 / 9463	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
9650 / 9540	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9950 / 9796	DEF AT -----	DEF AT 4
10160 / 9976	DEF AT -----	DEF AT 3
10760 /10484	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
11000 /10684	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11810 /11376	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
12500 /11967	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
12800 /12226	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13190 /12553	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
13280 /	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 227	Date of Summary: 01-FEB-2005	First Sample Examined: 4540
Lease Number: G24847	Source of Paleo: OPERATOR	Borehole MD: 17455
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17435
API Well Number: 177054121600	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 4540 - 17455	Water Depth: 125
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4540 / 4540	DEF AT first sample examined	DEF AT 2
5020 / 5020	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
6070 / 6070	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
7780 / 7780	DEF AT - - - - -	DEF AT 3
8020 / 8020	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9250 / 9250	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
9550 / 9550	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
10600 /10599	DEF AT - - - - -	DEF AT 4
10630 /10629	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
11200 /11198	DEF AT - - - - -	DEF AT 3
11710 /11708	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
12640 /12637	DEF AT - - - - -	DEF AT 4
13210 /13207	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
13560 /13557	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
14290 /14287	DEF AT - - - - -	DEF AT 5
14770 /14767	DEF AT - - - - -	DEF AT 6
14860 /14857	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
15970 /15961	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 6
16030 /16020	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
16330 /16313	DEF AT sample gap top	POS AT 6
16420 /16402	DEF AT sample gap bottom	DEF AT 6
17455 /17435	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 227	Date of Summary: 01-FEB-2005	First Sample Examined: 4540
Lease Number: G24847	Source of Paleo: OPERATOR	Borehole MD: 17455
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17435
API Well Number: 177054121600	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 4540 - 17455	Water Depth: 125
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4540 / 4540	DEF AT first sample examined	DEF AT
5080 / 5080	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5980 / 5980	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6190 / 6190	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6670 / 6670	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7960 / 7960	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8170 / 8170	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9220 / 9220	POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10810 /10808	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13210 /13207	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13240 /13237	POS AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
14500 /14497	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15220 /15217	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15370 /15367	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16029 /16019	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16030 /16020	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16330 /16313	DEF AT sample gap top	DEF AT
16420 /16402	DEF AT sample gap bottom	DEF AT
16780 /16760	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17455 /17435	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 236	<b>Date of Summary:</b> 26-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17911	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13300
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13299
<b>API Well Number:</b> 177054113700	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 129
<b>Public Info Code:</b> Y 31-JUL-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7128 / 7128	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8838 / 8838	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10790 /10789	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT
11370 /11369	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 245	Date of Summary: 04-JUN-2001	First Sample Examined: 0
Lease Number: G01146	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11519
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 10999
API Well Number: 177054112700	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 136
Public Info Code: Y 22-MAY-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10543	DEF AT first sample examined	DEF AT
11090 /10620	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
11210 /10725	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
11300 /10805	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11450 /10938	DEF AT Lower Pliocene (Zanclian) Sigmolilina "P" / cf. schlumbergeri	DEF AT
11519 /10999	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 245	<b>Date of Summary:</b> 29-AUG-1991	<b>First Sample Examined:</b> 8890
<b>Lease Number:</b> G01146	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11192
<b>Well Name:</b> F006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10815
<b>API Well Number:</b> 177054084800	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 126
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4420 - 11170	<b>Water Depth:</b> 133
<b>Public Info Code:</b> Y 15-OCT-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8890 / 8543	DEF AT first sample examined	DEF AT 3
9610 / 9237	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
10060 / 9684	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
10180 / 9804	DEF AT -----	DEF AT 1
10540 /10163	DEF AT -----	DEF AT 3
10900 /10523	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
11170 /10793	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 245	Date of Summary: 15-AUG-1991	First Sample Examined: 10890
Lease Number: G01147	Source of Paleo: OPERATOR	Borehole MD: 14804
Well Name: F005	Paleo Done By: OPERATOR	Borehole TVD: 13142
API Well Number: 177054086700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 6000 - 14804	Water Depth: 134
Public Info Code: Y 21-FEB-2001	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10890 / 9969	DEF AT first sample examined	DEF AT 3
11250 /10256	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
11430 /10395	DEF AT -----	DEF AT 1
11830 /10706	DEF AT -----	DEF AT 3
12270 /11047	DEF AT -----	DEF AT 2
13320 /11852	DEF AT -----	DEF AT 4
13530 /12020	DEF AT -----	DEF AT 3
13930 /12355	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
14100 /12503	DEF AT -----	DEF AT 4
14460 /12825	DEF AT salt	POS AT 4
14804 /13142	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 251	Date of Summary: 02-JUN-1993	First Sample Examined: 12000
Lease Number: G02873	Source of Paleo: OPERATOR	Borehole MD: 15824
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15819
API Well Number: 177054092200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9900 - 15810	Water Depth: 138
Public Info Code: Y 27-SEP-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11999	DEF AT first sample examined	DEF AT 3
12030 /12029	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
12300 /12298	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
12840 /12837	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
15090 /15085	DEF AT -----	DEF AT 4
15180 /15175	DEF AT -----	DEF AT 5
15810 /15805	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 252	<b>Date of Summary:</b> 10-APR-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05431	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8820
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8678
<b>API Well Number:</b> 177064074500	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 150
<b>Public Info Code:</b> Y 04-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5346 / 5346	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7079 / 7040	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 252	<b>Date of Summary:</b> 05-DEC-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05431	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8820
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8678
<b>API Well Number:</b> 177064074500	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 150
<b>Public Info Code:</b> Y 04-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5336 / 5336	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6878 / 6850	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 252	<b>Date of Summary:</b> 10-APR-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05431	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8175
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7765
<b>API Well Number:</b> 177064074900	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 150
<b>Public Info Code:</b> Y 19-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5336 / 5320	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6878 / 6647	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 252	<b>Date of Summary:</b> 05-DEC-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05431	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8500
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7883
<b>API Well Number:</b> 177064077600	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 150
<b>Public Info Code:</b> Y 08-APR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5400 / 5376	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7212 / 6875	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 252	<b>Date of Summary:</b> 27-OCT-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05431	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13940
<b>Well Name:</b> F001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13317
<b>API Well Number:</b> 177064054703	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 149
<b>Public Info Code:</b> Y 01-OCT-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10590 /10578	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11070 /11010	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11280 /11181	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 253	Date of Summary: 26-AUG-1999	First Sample Examined: 1530
Lease Number: G17912	Source of Paleo: OPERATOR	Borehole MD: 15634
Well Name: H002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14380
API Well Number: 177064083800	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 1530 - 15634	Water Depth: 155
Public Info Code: Y 10-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1530 / 1530	DEF AT first sample examined	DEF AT 2
2070 / 2068	DEF AT sample gap top	POS AT 2
2340 / 2335	DEF AT sample gap bottom	DEF AT 2
5550 / 5506	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
5910 / 5866	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 3
6030 / 5986	DEF AT faunal change (no faunal increase)	DEF AT 2
7230 / 7165	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
8580 / 8383	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 2
8670 / 8461	POS AT local marker deep water fauna	DEF AT 3
8730 / 8514	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
11400 /10786	DEF AT Bathysiphon fauna	DEF AT 4
11430 /10811	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12990 /12118	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13080 /12193	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
13320 /12396	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
13800 /12803	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
14130 /13086	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
14640 /13522	DEF AT - - - - -	DEF AT 4
15634 /14380	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 253	Date of Summary: 26-AUG-1999	First Sample Examined: 1530
Lease Number: G17912	Source of Paleo: OPERATOR	Borehole MD: 15634
Well Name: H002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14380
API Well Number: 177064083800	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 94
Paleo Report Num: 2 of 2	Sample Range: 1530 - 15634	Water Depth: 155
Public Info Code: Y 10-SEP-2009	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1530 / 1530	DEF AT first sample examined	DEF AT
2070 / 2068	DEF AT sample gap top	DEF AT
2340 / 2335	DEF AT sample gap bottom	DEF AT
3060 / 3043	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3780 / 3751	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5880 / 5836	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6990 / 6938	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7020 / 6967	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8730 / 8514	POS AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
10890 /10354	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13290 /12371	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14130 /13086	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15634 /14380	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 255	<b>Date of Summary:</b> 10-OCT-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01153	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11953
<b>Well Name:</b> H006	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11065
<b>API Well Number:</b> 177064089700	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 159
<b>Public Info Code:</b> Y 02-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6060 / 6053	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
6450 / 6443	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7710 / 7702	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
8340 / 8324	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
10320 / 9850	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
10530 /10003	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 256	<b>Date of Summary:</b> 23-JUL-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01153	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10385
<b>Well Name:</b> D003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10026
<b>API Well Number:</b> 177064008101	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 160
<b>Public Info Code:</b> Y 05-JUL-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7821 / 7485	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9670 / 9311	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 262	<b>Date of Summary:</b> 02-FEB-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02081	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11914
<b>Well Name:</b> A007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11501
<b>API Well Number:</b> 177064067800	<b>Drilling Operator:</b> PENNZENERGY COMPANY	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 160
<b>Public Info Code:</b> Y 17-JAN-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6790 / 6378	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8100 / 7688	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11290 /10878	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 264	<b>Date of Summary:</b> 29-DEC-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15199	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12551
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12551
<b>API Well Number:</b> 177064082600	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 169
<b>Public Info Code:</b> Y 13-MAR-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12384 /12384	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 267  
 Lease Number: G02082  
 Well Name: J002  
 API Well Number: 177064087400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 21-FEB-2011

Date of Summary: 20-MAR-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: STONE ENERGY CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 15905  
 Borehole TVD: 13877  
 Rkb Elevation: 90  
 Water Depth: 170  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10320 / 9731	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
10440 / 9830	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
12450 / 11357	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
14610 / 13057	DEF AT Cyclammina cancellata (local marker)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 267	<b>Date of Summary:</b> 11-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02082	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17614
<b>Well Name:</b> J004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15349
<b>API Well Number:</b> 177064087800	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 170
<b>Public Info Code:</b> Y 05-JUN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8090 / 8038	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 273	Date of Summary: 16-DEC-1999	First Sample Examined: 0
Lease Number: G14412	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5299
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5299
API Well Number: 177064074300	Drilling Operator: KING RANCH OIL AND GAS INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 173
Public Info Code: Y 06-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4757 / 4756	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5166 / 5165	DEF AT salt	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 273	Date of Summary: 19-FEB-2001	First Sample Examined: 0
Lease Number: G14412	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5763
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 4972
API Well Number: 177064075601	Drilling Operator: KING RANCH OIL AND GAS INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 173
Public Info Code: Y 04-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5362 / 4705	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 274	<b>Date of Summary:</b> 27-SEP-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G04213	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10280
<b>Well Name:</b> B005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7596
<b>API Well Number:</b> 177064078100	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 185
<b>Public Info Code:</b> Y 30-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5980 / 4611	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7480 / 5589	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8190 / 6070	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
9475 / 7001	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 274	Date of Summary: 18-DEC-1996	First Sample Examined: 0
Lease Number: G15200	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10671
Well Name: B004	Paleo Done By: OPERATOR	Borehole TVD: 8516
API Well Number: 177064078200	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 185
Public Info Code: Y 30-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4690 / 3822	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5923 / 4657	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7350 / 5624	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
7940 / 6027	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 277	<b>Date of Summary:</b> 15-MAY-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03398	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11400
<b>Well Name:</b> CA001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9376
<b>API Well Number:</b> 177064028701	<b>Drilling Operator:</b> ATP OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 175
<b>Public Info Code:</b> Y 29-MAY-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7100 / 6523	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9000 / 7752	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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End Date: 01-DEC-2016

<b>Area Block:</b> VR 277	<b>Date of Summary:</b> 15-MAY-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03398	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11203
<b>Well Name:</b> CA003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10386
<b>API Well Number:</b> 177064080500	<b>Drilling Operator:</b> ATP OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 175
<b>Public Info Code:</b> Y 29-MAY-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4350 / 4350	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6560 / 6560	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8040 / 8033	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT



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<b>Area Block:</b> VR 279	<b>Date of Summary:</b> 30-APR-1997	<b>First Sample Examined:</b> 7150
<b>Lease Number:</b> G11881	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14565
<b>Well Name:</b> A005	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 14563
<b>API Well Number:</b> 177064075802	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7150 - 14565	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 24-MAY-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7150 / 7150	DEF AT first sample examined	DEF AT 3
7151 / 7151	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7663 / 7663	DEF AT - - - - -	DEF AT 3
7719 / 7719	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
7720 / 7720	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8139 / 8138	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
8140 / 8139	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
8838 / 8837	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 5
8839 / 8838	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
8840 / 8839	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9899 / 9898	DEF AT - - - - -	DEF IN 4
10300 /10299	DEF AT sample gap top	POS IN 4
10400 /10399	DEF AT sample gap bottom	DEF AT 5
10462 /10461	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
11401 /11400	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
12350 /12349	DEF AT Eggerella 3 (local marker)	DEF AT 5
12952 /12950	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
12953 /12951	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12954 /12952	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
13800 /13798	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 6
13920 /13918	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 6
13950 /13948	DEF AT gouge	DEF IN 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 279	<b>Date of Summary:</b> 30-APR-1997	<b>First Sample Examined:</b> 7150
<b>Lease Number:</b> G11881	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14565
<b>Well Name:</b> A005	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 14563
<b>API Well Number:</b> 177064075802	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7150 - 14565	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 24-MAY-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14565 /14563	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 279	<b>Date of Summary:</b> 28-AUG-1997	<b>First Sample Examined:</b> 10830
<b>Lease Number:</b> G11881	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14403
<b>Well Name:</b> A006	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 13231
<b>API Well Number:</b> 177064079900	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10830 - 14384	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 26-SEP-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 /10024	DEF AT first sample examined	DEF IN 2
11130 /10285	DEF IN Lower Pliocene (Zanclian) <i>Buccella (Eponides) hannai</i> (acme)	DEF IN 2
11160 /10311	DEF AT - - - - -	DEF AT 3
11934 /10980	DEF AT <i>Eggerella</i> 3 (local marker)	DEF IN 3
11935 /10981	DEF AT Lower Pliocene (Zanclian) <i>Cibicides marsi</i>	DEF IN 3
12025 /11059	DEF AT local marker foram increase	DEF IN 3
12055 /11085	DEF AT sample gap top	POS IN 3
12205 /11216	DEF AT sample gap bottom	DEF IN 3
12448 /11431	DEF AT - - - - -	DEF AT 2
12605 /11572	POS AT local marker foram increase	DEF AT 3
12826 /11771	DEF AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF IN 3
13044 /11970	DEF AT Lower Pliocene (Zanclian) <i>Globigerina nepenthes</i>	DEF IN 3
13074 /11997	DEF AT <i>Eggerella</i> 3 (local marker)	DEF IN 3
13075 /11998	DEF AT <i>Cyclammia cancellata</i> (local marker)	DEF IN 3
13422 /12319	DEF AT limestone	DEF AT 3
13519 /12409	DEF AT <i>Bathysiphon</i> fauna	DEF IN 3
13520 /12410	DEF AT <i>Eggerella</i> 3 (local marker)	DEF IN 3
13640 /12522	DEF AT <i>Cyclammia cancellata</i> (local marker)	DEF IN 3
14129 /12976	DEF AT sample gap top	POS IN 3
14229 /13069	DEF AT sample gap bottom	DEF IN 3
14260 /13098	DEF AT Lower Pliocene (Zanclian) <i>Siphotextularia jugosa</i> / "J"	DEF AT 4
14291 /13127	DEF AT Lower Pliocene (Zanclian) <i>Globigerinoides mitra</i>	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 279	<b>Date of Summary:</b> 28-AUG-1997	<b>First Sample Examined:</b> 10830
<b>Lease Number:</b> G11881	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14403
<b>Well Name:</b> A006	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 13231
<b>API Well Number:</b> 177064079900	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10830 - 14384	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 26-SEP-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14384 /13213	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 279	<b>Date of Summary:</b> 28-AUG-1997	<b>First Sample Examined:</b> 12605
<b>Lease Number:</b> G11881	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14403
<b>Well Name:</b> A006	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 13231
<b>API Well Number:</b> 177064079900	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12605 - 14384	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 26-SEP-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12605 /11572	DEF AT first sample examined	DEF AT
12606 /11573	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12885 /11825	DEF AT local marker floral increase	DEF AT
12920 /11857	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
13520 /12410	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13730 /12605	DEF AT local marker foram decrease	DEF AT
14384 /13213	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 279	Date of Summary: 31-DEC-1996	First Sample Examined: 5830
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 13410
Well Name: A007	Paleo Done By: THOMAS REILLY	Borehole TVD: 11742
API Well Number: 177064078800	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 5830 - 13420	Water Depth: 180
Public Info Code: Y 11-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

## Remark:

MD / TVD	Paleo Top Description	Ecozone
5830 / 5830	DEF AT first sample examined	DEF AT 3
5831 / 5831	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6190 / 6190	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6855 / 6855	DEF AT local marker benthic foram increase	DEF AT 3
7634 / 7632	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
7635 / 7633	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7959 / 7950	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
7960 / 7951	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
8889 / 8797	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 5
8890 / 8798	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
10300 / 9785	DEF AT sample gap top	POS AT 5
11175 /10309	DEF AT sample gap bottom	DEF AT 5
11269 /10361	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
12545 /11131	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
13420 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 279	Date of Summary: 03-MAR-1998	First Sample Examined: 12153
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 13948
Well Name: A011	Paleo Done By: THOMAS REILLY	Borehole TVD: 12310
API Well Number: 177064080801	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 2	Sample Range: 12153 - 13938	Water Depth: 180
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12153 /10629	DEF AT first sample examined	DEF IN 2
12154 /10630	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 2
12273 /10722	DEF AT - - - - -	DEF IN 1
12620 /11009	DEF AT Eggerella sp. (local marker)	DEF IN 1
12747 /11126	DEF AT Arenaceous fauna (local marker)	DEF IN 1
13408 /11771	DEF AT Cyclammia sp. (local marker)	DEF IN 1
13845 /12207	DEF AT Eggerella sp. (local marker)	DEF IN 1
13908 /12270	DEF AT last sample examined	DEF IN 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 279	<b>Date of Summary:</b> 03-MAR-1998	<b>First Sample Examined:</b> 12153
<b>Lease Number:</b> G11881	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13948
<b>Well Name:</b> A011	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 12310
<b>API Well Number:</b> 177064080801	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12153 - 13938	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 19-MAR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12153 /10629	DEF AT first sample examined	DEF AT
13845 /12207	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13938 /12300	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 281	<b>Date of Summary:</b> 09-JUL-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15201	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7527
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7350
<b>API Well Number:</b> 177064069200	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 175
<b>Public Info Code:</b> Y 07-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5865 / 5844	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6370 / 6304	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 284	<b>Date of Summary:</b> 28-OCT-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09508	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11142
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10835
<b>API Well Number:</b> 177064076501	<b>Drilling Operator:</b> APACHE OIL CORPORATION	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 186
<b>Public Info Code:</b> Y 22-SEP-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6740 / 6444	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7840 / 7534	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9530 / 9223	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
10370 /10063	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 288	Date of Summary: 29-JUL-1993	First Sample Examined: 5000
Lease Number: G09509	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: A001	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 11732
API Well Number: 177064069300	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 5000 - 9680	Water Depth: 186
Public Info Code: Y 24-JUN-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 4935	DEF AT first sample examined	DEF AT 2
5330 / 5265	DEF AT faunal change (no faunal increase)	DEF AT 3
5360 / 5295	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5750 / 5685	DEF AT faunal change (no faunal increase)	DEF AT 2
6140 / 6075	DEF AT faunal change (no faunal increase)	DEF AT 4
6259 / 6194	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
6260 / 6195	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
6350 / 6285	DEF AT faunal change (no faunal increase)	DEF AT 2
7850 / 7784	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF AT 4
8240 / 8174	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
8600 / 8534	DEF AT local marker foram increase	DEF AT 4
8720 / 8654	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
8750 / 8684	DEF AT faunal change (no faunal increase)	DEF AT 3
9260 / 9194	DEF AT faunal change (no faunal increase)	DEF AT 4
9560 / 9494	DEF AT local marker foram increase	DEF AT 3
9680 / 9614	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 288	<b>Date of Summary:</b> 15-NOV-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09509	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11056
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8865
<b>API Well Number:</b> 177064070000	<b>Drilling Operator:</b> SEAGULL ENERGY E&P INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 186
<b>Public Info Code:</b> Y 24-JUN-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6590 / 5516	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6830 / 5700	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9740 / 7877	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 289	<b>Date of Summary:</b> 18-DEC-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G04213	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9219
<b>Well Name:</b> A007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5670
<b>API Well Number:</b> 177064078600	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 129
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 185
<b>Public Info Code:</b> Y 30-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5440 / 3689	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7085 / 4520	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 296	<b>Date of Summary:</b> 11-MAY-1993	<b>First Sample Examined:</b> 1000
<b>Lease Number:</b> G09511	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10614
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9976
<b>API Well Number:</b> 177064068700	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 76
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 1000 - 10600	<b>Water Depth:</b> 191
<b>Public Info Code:</b> Y 03-FEB-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1000 / 1000	DEF AT first sample examined	DEF AT 2
1930 / 1930	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
3460 / 3460	DEF AT faunal change (no faunal increase)	DEF AT 3
6250 / 6250	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7300 / 7300	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8440 / 8432	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8470 / 8461	DEF AT faunal change (no faunal increase)	DEF AT 4
9550 / 9318	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
10600 / 9968	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 296	<b>Date of Summary:</b> 11-MAY-1993	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G09511	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11070
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10044
<b>API Well Number:</b> 177064068701	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 103
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7000 - 11070	<b>Water Depth:</b> 192
<b>Public Info Code:</b> Y 03-FEB-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6998	DEF AT first sample examined	DEF AT 3
7060 / 7058	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8410 / 8400	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8530 / 8515	DEF AT faunal change (no faunal increase)	DEF AT 4
9580 / 9348	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
11070 /10045	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 297	Date of Summary: 08-MAR-1996	First Sample Examined: 0
Lease Number: G11885	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9310
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8651
API Well Number: 177064077300	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 195
Public Info Code: Y 07-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5685 / 5435	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8249 / 7667	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 298	<b>Date of Summary:</b> 17-JAN-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11886	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6887
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6886
<b>API Well Number:</b> 177064066200	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 195
<b>Public Info Code:</b> Y 13-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3780 / 3780	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4200 / 4200	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
4770 / 4769	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6570 / 6569	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 302	Date of Summary: 30-JUL-2004	First Sample Examined: 4280
Lease Number: G03138	Source of Paleo: OPERATOR	Borehole MD: 9981
Well Name: JA002	Paleo Done By: OPERATOR	Borehole TVD: 9292
API Well Number: 177064071101	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 4280 - 9980	Water Depth: 196
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4280 / 4278	DEF AT first sample examined	DEF AT 2
4281 / 4279	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 2
4400 / 4398	DEF AT -----	DEF AT 1
4440 / 4438	DEF AT -----	DEF IN 1
4540 / 4538	DEF AT -----	DEF IN 2
4580 / 4578	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 2
4680 / 4678	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 2
5440 / 5438	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 2
5480 / 5478	DEF AT -----	DEF AT 3
5500 / 5498	DEF AT -----	DEF IN 2
5520 / 5518	DEF AT -----	DEF AT 2
6160 / 6158	DEF AT -----	DEF AT 3
6180 / 6178	DEF AT -----	DEF AT 2
6240 / 6238	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 2
6580 / 6578	DEF AT local marker foram increase	DEF AT 2
6840 / 6836	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 1
7000 / 6991	DEF AT -----	DEF AT 2
7060 / 7048	DEF AT local marker foram increase	DEF AT 2
7160 / 7143	DEF AT -----	DEF IN 3
7220 / 7199	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
7260 / 7236	DEF AT -----	DEF IN 2
7320 / 7290	DEF AT -----	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 302	Date of Summary: 30-JUL-2004	First Sample Examined: 4280
Lease Number: G03138	Source of Paleo: OPERATOR	Borehole MD: 9981
Well Name: JA002	Paleo Done By: OPERATOR	Borehole TVD: 9292
API Well Number: 177064071101	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 4280 - 9980	Water Depth: 196
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7840 / 7720	DEF AT -----	DEF AT 1
7980 / 7822	DEF AT -----	DEF AT 2
8040 / 7865	DEF AT Cyclammina sp. (local marker)	DEF AT 3
8100 / 7909	DEF AT -----	DEF IN 3
8200 / 7981	DEF AT -----	DEF AT 3
8360 / 8095	DEF AT -----	DEF IN 3
8480 / 8184	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
8520 / 8214	DEF AT local marker foram increase	DEF AT 4
8620 / 8287	DEF AT -----	DEF IN 3
8800 / 8418	DEF AT -----	DEF AT 3
9060 / 8610	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
9320 / 8803	DEF AT -----	DEF AT 3
9460 / 8906	DEF AT -----	DEF AT 4
9560 / 8980	DEF AT local marker foram increase	DEF AT 4
9780 / 9145	DEF AT -----	DEF AT 3
9979 / 9291	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
9980 / 9292	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 302	Date of Summary: 30-JUL-2004	First Sample Examined: 9460
Lease Number: G03138	Source of Paleo: OPERATOR	Borehole MD: 10589
Well Name: JA002	Paleo Done By: OPERATOR	Borehole TVD: 9697
API Well Number: 177064071102	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 9460 - 10580	Water Depth: 196
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9460 / 8906	DEF AT first sample examined	DEF AT 3
9500 / 8935	DEF AT -----	DEF IN 3
9540 / 8963	DEF AT local marker foram increase	DEF IN 3
9580 / 8992	DEF AT -----	DEF AT 3
9740 / 9108	DEF AT -----	DEF AT 4
9760 / 9122	DEF AT -----	DEF AT 3
9800 / 9151	DEF AT -----	DEF IN 3
9820 / 9166	DEF AT -----	DEF AT 3
10020 / 9309	DEF AT -----	DEF IN 3
10180 / 9419	DEF AT -----	DEF AT 3
10360 / 9542	DEF AT -----	DEF AT 2
10500 / 9637	DEF AT -----	DEF IN 2
10520 / 9651	DEF AT -----	DEF AT 2
10580 / 9691	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 302	Date of Summary: 31-MAY-1994	First Sample Examined: 8085
Lease Number: G03138	Source of Paleo: OPERATOR	Borehole MD: 8749
Well Name: JA003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8674
API Well Number: 177064071400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 8085 - 8749	Water Depth: 196
Public Info Code: Y 01-JUN-2004	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8085 / 8011	DEF AT first sample examined	POS AT 2
8118 / 8044	DEF AT - - - - -	DEF AT 2
8150 / 8076	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
8587 / 8512	DEF AT Arenaceous fauna (local marker)	DEF AT 2
8743 / 8668	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
8749 / 8674	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 306	<b>Date of Summary:</b> 28-AUG-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21095	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8128
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8127
<b>API Well Number:</b> 177064084800	<b>Drilling Operator:</b> IP PETROLEUM COMPANY INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 202
<b>Public Info Code:</b> Y 18-NOV-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7130 / 7129	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7632 / 7631	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8070 / 8069	DEF AT salt	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 308	<b>Date of Summary:</b> 20-JUL-1995	<b>First Sample Examined:</b> 500
<b>Lease Number:</b> G11892	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20399
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20377
<b>API Well Number:</b> 177064073300	<b>Drilling Operator:</b> BP CORPORATION NORTH AMERICA INC	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 500 - 20400	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 20-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 9690=first sample redrill 1, 18420=first sample redrill 2

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
500 / 500	DEF AT first sample examined	DEF AT
1520 / 1520	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4050 / 4049	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6000 / 5997	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6750 / 6746	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8730 / 8723	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10410 /10395	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12060 /12044	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12090 /12074	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12210 /12194	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
12510 /12494	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12600 /12584	DEF AT salt	DEF AT
12900 /12884	POS AT gouge	DEF AT
13110 /13094	DEF AT base of salt	DEF AT
13700 /13684	DEF AT sample gap top	DEF AT
13970 /13954	DEF AT sample gap bottom	DEF AT
14480 /14464	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14890 /14874	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15520 /15504	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16630 /16613	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16650 /16633	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17290 /17270	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 308	<b>Date of Summary:</b> 20-JUL-1995	<b>First Sample Examined:</b> 500
<b>Lease Number:</b> G11892	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20399
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20377
<b>API Well Number:</b> 177064073300	<b>Drilling Operator:</b> BP CORPORATION NORTH AMERICA INC	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 500 - 20400	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 20-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17820 /17800	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18730 /18709	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
18950 /18928	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
20399 /20377	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 308	Date of Summary: 21-JUL-1995	First Sample Examined: 500
Lease Number: G11892	Source of Paleo: OPERATOR	Borehole MD: 20399
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20377
API Well Number: 177064073300	Drilling Operator: BP CORPORATION NORTH AMERICA INC	Rkb Elevation: 112
Paleo Report Num: 2 of 2	Sample Range: 500 - 20400	Water Depth: 200
Public Info Code: Y 20-NOV-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 9690=first sample redrill 1, 18390=first sample redrill 2

MD / TVD	Paleo Top Description	Ecozone
500 / 500	DEF AT first sample examined	DEF AT 2
1910 / 1910	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
4560 / 4559	DEF AT - - - - -	DEF AT 3
6090 / 6087	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6750 / 6746	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
9600 / 9587	DEF AT - - - - -	POS AT 4
9690 / 9676	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12090 /12074	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
12569 /12553	DEF AT anhydrite	DEF AT 4
12570 /12554	DEF AT domal material	DEF AT 4
13110 /13094	DEF AT base of salt	DEF AT 4
13140 /13124	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13720 /13704	DEF AT sample gap top	POS AT 6
13970 /13954	DEF AT sample gap bottom	DEF AT 6
16630 /16613	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
18640 /18619	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
18730 /18709	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
18940 /18918	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
20399 /20377	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 309	<b>Date of Summary:</b> 02-SEP-1997	<b>First Sample Examined:</b> 4230
<b>Lease Number:</b> G16310	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9579
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 9211
<b>API Well Number:</b> 177064079700	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4230 - 9578	<b>Water Depth:</b> 206
<b>Public Info Code:</b> Y 24-SEP-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4230 / 4230	DEF AT first sample examined	DEF AT 3
4680 / 4680	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6479 / 6460	DEF AT pyrite	DEF AT 3
6480 / 6460	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7500 / 7385	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8550 / 8309	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
9090 / 8781	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9578 / 9210	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 309	Date of Summary: 18-JUN-1998	First Sample Examined: 6000
Lease Number: G16310	Source of Paleo: OPERATOR	Borehole MD: 9357
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9200
API Well Number: 177064081200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 66
Paleo Report Num: 1 of 1	Sample Range: 6000 - 9357	Water Depth: 206
Public Info Code: Y 18-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5999	DEF AT first sample examined	POS AT 3
6540 / 6539	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7260 / 7259	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
8220 / 8199	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
8310 / 8281	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
8640 / 8582	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9357 / 9201	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 310	<b>Date of Summary:</b> 14-MAY-1998	<b>First Sample Examined:</b> 8600
<b>Lease Number:</b> G17918	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10803
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 8300
<b>API Well Number:</b> 177064081000	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8600 - 10804	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 30-APR-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8600 / 6992	DEF AT first sample examined	DEF AT 2
8601 / 6992	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
9410 / 7481	DEF AT local marker benthic foram increase	DEF IN 2
9620 / 7607	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF IN 2
10040 / 7854	DEF AT Upper Pliocene (Piacenzian) Cassidulina laevigata carinata (acme) / "L"	DEF IN 2
10550 / 8153	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 3
10670 / 8223	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 3
10803 / 8300	DEF AT local marker foram increase	DEF IN 3
10804 /	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 313	Date of Summary: 11-JUN-1996	First Sample Examined: 0
Lease Number: G01172	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8495
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 6944
API Well Number: 177064071700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 212
Public Info Code: Y 06-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4655 / 4037	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
6210 / 5166	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 313	<b>Date of Summary:</b> 11-JUN-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01172	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9782
<b>Well Name:</b> C002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8125
<b>API Well Number:</b> 177064071900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 212
<b>Public Info Code:</b> Y 14-JUL-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5145 / 4127	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
6850 / 5342	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8135 / 6500	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 313	<b>Date of Summary:</b> 08-JAN-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01172	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10433
<b>Well Name:</b> C004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7455
<b>API Well Number:</b> 177064072000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 212
<b>Public Info Code:</b> Y 27-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6079 / 4173	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8596 / 5754	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9963 / 6997	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 318	<b>Date of Summary:</b> 28-JUL-1992	<b>First Sample Examined:</b> 3600
<b>Lease Number:</b> G04427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8059
<b>Well Name:</b> A012	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 5603
<b>API Well Number:</b> 177064066900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3600 - 8340	<b>Water Depth:</b> 209
<b>Public Info Code:</b> Y 05-AUG-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3600 / 3315	DEF AT first sample examined	DEF AT 2
5820 / 4404	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5940 / 4464	DEF AT -----	DEF AT 2
6480 / 4740	DEF AT -----	DEF AT 3
6930 / 4983	DEF AT sample gap top	POS AT 3
7200 / 5130	DEF AT sample gap bottom	DEF AT 3
7230 / 5146	DEF IN local marker benthic foram increase	DEF AT 3
8130 /	DEF AT -----	DEF AT 4
8220 /	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8340 /	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 318	<b>Date of Summary:</b> 28-JUL-1992	<b>First Sample Examined:</b> 5500
<b>Lease Number:</b> G04427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8059
<b>Well Name:</b> A012	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 5603
<b>API Well Number:</b> 177064066900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 5500 - 8050	<b>Water Depth:</b> 209
<b>Public Info Code:</b> Y 05-AUG-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 4247	DEF AT first sample examined	DEF AT 2
5560 / 4276	DEF AT sample gap top	POS AT 2
5680 / 4335	DEF AT sample gap bottom	DEF AT 2
5700 / 4345	DEF AT sample gap top	POS AT 2
5870 / 4429	DEF AT sample gap bottom	DEF AT 2
5930 / 4459	DEF AT sample gap top	POS AT 2
6920 / 4977	DEF AT sample gap bottom	DEF AT 3
6950 / 4994	DEF IN local marker benthic foram increase	DEF AT 3
8050 / 5598	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 318	<b>Date of Summary:</b> 14-AUG-1992	<b>First Sample Examined:</b> 3690
<b>Lease Number:</b> G04427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10171
<b>Well Name:</b> A014	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 6428
<b>API Well Number:</b> 177064067200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3690 - 10150	<b>Water Depth:</b> 209
<b>Public Info Code:</b> Y 25-AUG-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3690 / 3018	DEF AT first sample examined	DEF AT 2
5190 / 3803	DEF AT faunal change (no faunal increase)	DEF AT 3
6190 / 4333	DEF AT faunal change (no faunal increase)	DEF AT 2
7030 / 4774	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
9340 / 5981	DEF AT local marker benthic foram increase	DEF AT 3
9820 / 6233	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
10150 / 6415	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 318	<b>Date of Summary:</b> 14-AUG-1992	<b>First Sample Examined:</b> 5990
<b>Lease Number:</b> G04427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8218
<b>Well Name:</b> A014	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 5817
<b>API Well Number:</b> 177064067201	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5990 - 8190	<b>Water Depth:</b> 209
<b>Public Info Code:</b> Y 29-AUG-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5990 / 4226	DEF AT first sample examined	POS AT 2
6110 / 4294	DEF AT faunal change (no faunal increase)	DEF AT 2
6530 / 4551	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6800 / 4737	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7820 / 5510	DEF AT local marker benthic foram increase	DEF AT 3
7979 / 5631	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 4
7980 / 5632	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8190 / 5793	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 320	Date of Summary: 18-NOV-1991	First Sample Examined: 0
Lease Number: G02087	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9500
Well Name: 009	Paleo Done By: OPERATOR	Borehole TVD: 9500
API Well Number: 177064064200	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 206
Public Info Code: Y 27-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2150 / 2150	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4010 / 4010	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5870 / 5869	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7040 / 7039	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8270 / 8269	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 320	Date of Summary: 08-MAR-1991	First Sample Examined: 0
Lease Number: G02087	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9045
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 7200
API Well Number: 177064065400	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 205
Public Info Code: Y 28-MAR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2250 / 2212	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2280 / 2239	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5370 / 4180	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5790 / 4443	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7530 / 5745	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7890 / 6088	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8160 / 6347	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9000 / 7157	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 326	<b>Date of Summary:</b> 14-FEB-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21096	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8523
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8522
<b>API Well Number:</b> 177064085000	<b>Drilling Operator:</b> IP PETROLEUM COMPANY INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 215
<b>Public Info Code:</b> Y 24-JAN-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8102 / 8102	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 328	<b>Date of Summary:</b> 12-MAR-1991	<b>First Sample Examined:</b> 1950
<b>Lease Number:</b> G11896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9263
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9258
<b>API Well Number:</b> 177064065300	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 1950 - 9263	<b>Water Depth:</b> 217
<b>Public Info Code:</b> Y 17-MAR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1950 / 1950	DEF AT first sample examined	DEF AT 3
1951 / 1951	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 3
2250 / 2250	DEF AT sample gap top	POS AT 3
2400 / 2400	DEF AT sample gap bottom	DEF AT 3
2430 / 2430	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
2670 / 2670	DEF AT faunal change (no faunal increase)	DEF AT 2
2940 / 2940	DEF AT faunal change (no faunal increase)	DEF AT 3
3090 / 3090	DEF AT faunal change (no faunal increase)	DEF AT 2
3780 / 3780	DEF AT faunal change (no faunal increase)	DEF AT 3
4200 / 4200	DEF AT faunal change (no faunal increase)	DEF AT 2
4470 / 4470	DEF AT cement	POS AT 2
4650 / 4650	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 2
4830 / 4830	DEF AT faunal change (no faunal increase)	DEF AT 3
5280 / 5280	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5530 / 5530	DEF AT faunal change (no faunal increase)	DEF AT 2
5640 / 5640	DEF AT faunal change (no faunal increase)	DEF AT 3
5730 / 5730	DEF AT faunal change (no faunal increase)	DEF AT 2
6510 / 6510	DEF AT faunal change (no faunal increase)	DEF AT 3
7110 / 7110	DEF AT faunal change (no faunal increase)	DEF AT 2
7350 / 7350	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 3
8070 / 8069	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
8400 / 8398	DEF AT faunal change (no faunal increase)	DEF AT 4

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End Date: 01-DEC-2016

<b>Area Block:</b> VR 328	<b>Date of Summary:</b> 12-MAR-1991	<b>First Sample Examined:</b> 1950
<b>Lease Number:</b> G11896	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9263
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9258
<b>API Well Number:</b> 177064065300	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 1950 - 9263	<b>Water Depth:</b> 217
<b>Public Info Code:</b> Y 17-MAR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8580 / 8578	DEF AT faunal change (no faunal increase)	DEF AT 3
8760 / 8757	DEF AT faunal change (no faunal increase)	DEF AT 4
8820 / 8817	DEF AT faunal change (no faunal increase)	DEF AT 3
9210 / 9205	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 3
9263 / 9258	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 328	<b>Date of Summary:</b> 28-OCT-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11896	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9674
<b>Well Name:</b> 004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8417
<b>API Well Number:</b> 177064070100	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 217
<b>Public Info Code:</b> Y 20-OCT-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8042 / 7108	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9529 / 8301	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 328	<b>Date of Summary:</b> 22-NOV-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11896	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9287
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8769
<b>API Well Number:</b> 177064069500	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 217
<b>Public Info Code:</b> Y 06-SEP-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7411 / 7161	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8985 / 8523	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 328	Date of Summary: 21-NOV-1993	First Sample Examined: 0
Lease Number: G11896	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8623
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8618
API Well Number: 177064069800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 217
Public Info Code: Y 01-OCT-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7182 / 7180	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8418 / 8413	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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End Date: 01-DEC-2016

<b>Area Block:</b> VR 332	<b>Date of Summary:</b> 03-AUG-1993	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G09514	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8800
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8800
<b>API Well Number:</b> 177064069400	<b>Drilling Operator:</b> SAMEDAN OFFSHORE CORPORATION	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4000 - 8800	<b>Water Depth:</b> 217
<b>Public Info Code:</b> Y 31-AUG-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT 3
4001 / 4001	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6610 / 6609	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7690 / 7689	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8800 / 8799	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 335	Date of Summary: 17-DEC-1998	First Sample Examined: 5130
Lease Number: G14418	Source of Paleo: OPERATOR	Borehole MD: 15400
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 15399
API Well Number: 177064082100	Drilling Operator: SAMELAN OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5130 - 15400	Water Depth: 227
Public Info Code: Y 12-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5130 / 5130	DEF AT first sample examined	DEF AT 2
5430 / 5430	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
6150 / 6150	DEF AT local marker foram increase	DEF IN 2
6210 / 6210	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 2
6480 / 6480	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 2
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 2
6780 / 6780	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 2
6930 / 6930	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 2
7020 / 7020	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
7410 / 7410	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
7740 / 7740	DEF AT local marker foram increase	DEF IN 3
7920 / 7920	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 3
8490 / 8490	DEF AT local marker foram increase	DEF AT 4
9900 / 9900	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10260 /10260	POS AT unconformity	DEF AT 5
10290 /10290	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10320 /10320	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
10350 /10350	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10979 /10979	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10980 /10980	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11940 /11939	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
12540 /12539	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5

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End Date: 01-DEC-2016

<b>Area Block:</b> VR 335	<b>Date of Summary:</b> 17-DEC-1998	<b>First Sample Examined:</b> 5130
<b>Lease Number:</b> G14418	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15400
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 15399
<b>API Well Number:</b> 177064082100	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5130 - 15400	<b>Water Depth:</b> 227
<b>Public Info Code:</b> Y 12-OCT-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12600 /12599	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
13110 /13109	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 5
13200 /13199	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
13260 /13259	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13830 /13829	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
14160 /14159	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
14670 /14669	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
15330 /15329	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
15400 /15399	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 335	Date of Summary: 01-MAY-2007	First Sample Examined: 12225
Lease Number: G14418	Source of Paleo: OPERATOR	Borehole MD: 15137
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14366
API Well Number: 177064082101	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - U	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 12225 - 15120	Water Depth: 233
Public Info Code: Y 12-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12225 /12120	DEF AT first sample examined	DEF AT 4
12226 /12121	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12455 /12349	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
12815 /12701	DEF AT - - - - -	DEF AT 5
12935 /12817	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13305 /13163	DEF AT - - - - -	DEF AT 6
13335 /13189	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
13425 /13267	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
14520 /13983	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
14670 /14074	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
15120 /14356	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 336	<b>Date of Summary:</b> 20-MAY-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13892	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15500
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12226
<b>API Well Number:</b> 177064079000	<b>Drilling Operator:</b> JX NIPPON OIL EXPLORATION USA LIMITED	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 229
<b>Public Info Code:</b> Y 16-JUN-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6580 / 6580	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7330 / 7330	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9100 / 9092	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
13640 /13607	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
15370 /15330	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 336	Date of Summary: 24-JAN-2000	First Sample Examined: 0
Lease Number: G13892	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12671
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10566
API Well Number: 177064079001	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 229
Public Info Code: Y 16-JUN-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11170 /10424	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11710 /10802	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 344	Date of Summary: 24-DEC-1997	First Sample Examined: 0
Lease Number: G17920	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 4598
API Well Number: 177064080300	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 227
Public Info Code: Y 14-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3860 / 3859	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 348  
Lease Number: G02271  
Well Name: 010  
API Well Number: 177064079100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 20-NOV-2001

Date of Summary: 03-APR-1997  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: PIONEER NATURAL RESOURCES USA INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 14900  
Borehole TVD: 14900  
Rkb Elevation: 100  
Water Depth: 238  
Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3790 / 3788	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7360 / 7358	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
10280 /10277	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT
12650 /12646	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
12710 /12706	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
14250 /14246	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
14480 /14475	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 348	<b>Date of Summary:</b> 08-DEC-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02271	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11210
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5327
<b>API Well Number:</b> 177064040102	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 141
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 237
<b>Public Info Code:</b> Y 20-NOV-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4952 / 2616	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6440 / 3064	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10197 / 4575	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 355	Date of Summary: 08-JUN-1992	First Sample Examined: 1300
Lease Number: G12876	Source of Paleo: OPERATOR	Borehole MD: 9400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9394
API Well Number: 177064066400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 1300 - 9400	Water Depth: 246
Public Info Code: Y 18-MAY-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1300 / 1300	DEF AT first sample examined	POS AT 2
4470 / 4469	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 2
6810 / 6806	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 2
9400 / 9394	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 356	Date of Summary: 31-JAN-2000	First Sample Examined: 0
Lease Number: G17921	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6615
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 4091
API Well Number: 177064084500	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 262
Public Info Code: Y 22-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2316 / 2102	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5208 / 3435	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 356	<b>Date of Summary:</b> 05-APR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17921	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9912
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6850
<b>API Well Number:</b> 177064085100	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 262
<b>Public Info Code:</b> Y 24-FEB-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2964 / 2064	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6450 / 3994	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9760 / 6710	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 362	<b>Date of Summary:</b> 04-APR-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09522	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12528
<b>Well Name:</b> B003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11201
<b>API Well Number:</b> 177064074100	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 279
<b>Public Info Code:</b> Y 23-MAR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9660 / 9294	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
11460 /10481	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12180 /10966	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 362	<b>Date of Summary:</b> 06-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09524	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15633
<b>Well Name:</b> B004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12200
<b>API Well Number:</b> 177064074801	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 279
<b>Public Info Code:</b> Y 29-MAY-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 8773	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10070 / 9007	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13760 /11111	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14556 /11563	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14780 /11693	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 362	<b>Date of Summary:</b> 11-FEB-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10687	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11500
<b>Well Name:</b> B001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11469
<b>API Well Number:</b> 177064072800	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 278
<b>Public Info Code:</b> Y 23-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8740 / 8729	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8830 / 8819	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
10870 /10844	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 362	<b>Date of Summary:</b> 23-JAN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10687	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12302
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11000
<b>API Well Number:</b> 177064073600	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 278
<b>Public Info Code:</b> Y 18-JAN-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6633 / 6628	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10660 / 9837	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11440 /10388	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11800 /10643	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 362	<b>Date of Summary:</b> 12-NOV-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10687	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13918
<b>Well Name:</b> B004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12201
<b>API Well Number:</b> 177064074800	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 279
<b>Public Info Code:</b> Y 12-MAY-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 8773	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10070 / 9015	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13760 / 12067	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14780 /	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 371	<b>Date of Summary:</b> 25-MAR-1993	<b>First Sample Examined:</b> 5010
<b>Lease Number:</b> G09524	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11551
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11548
<b>API Well Number:</b> 177064068100	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5010 - 11551	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 20-APR-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5010 / 5010	DEF AT first sample examined	DEF IN 3
6450 / 6449	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
6510 / 6509	DEF AT - - - - -	DEF AT 4
7170 / 7169	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
7590 / 7589	DEF AT - - - - -	DEF AT 5
9930 / 9928	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11070 / 11068	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11551 / 11548	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 371	Date of Summary: 22-JUL-1993	First Sample Examined: 5010
Lease Number: G09524	Source of Paleo: OPERATOR	Borehole MD: 14754
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13244
API Well Number: 177064068800	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 4	Sample Range: 5010 - 14280	Water Depth: 297
Public Info Code: Y 16-AUG-2003	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5010 / 5010	DEF AT first sample examined	DEF AT 2
5011 / 5011	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5550 / 5542	DEF AT - - - - -	DEF AT 3
6930 / 6679	DEF AT sample gap top	POS AT 3
7110 / 6819	DEF AT sample gap bottom	DEF AT 3
7260 / 6938	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
8070 / 7593	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5
9330 / 8626	DEF AT sample gap top	POS AT 5
9840 / 9043	DEF AT sample gap bottom	DEF AT 5
10830 / 9842	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
11370 /10275	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12390 /11096	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14280 /12795	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 371	Date of Summary: 22-JUL-1993	First Sample Examined: 11010
Lease Number: G09524	Source of Paleo: OPERATOR	Borehole MD: 14754
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13244
API Well Number: 177064068800	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 95
Paleo Report Num: 2 of 4	Sample Range: 11010 - 14280	Water Depth: 297
Public Info Code: Y 16-AUG-2003	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 / 9986	DEF AT first sample examined	DEF AT
11370 /10275	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11970 /10758	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12420 /11120	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14220 /12738	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14280 /12795	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 371	<b>Date of Summary:</b> 22-JUL-1993	<b>First Sample Examined:</b> 13740
<b>Lease Number:</b> G09524	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14754
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13244
<b>API Well Number:</b> 177064068800	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 13740 - 14754	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 16-AUG-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13740 /12289	DEF AT first sample examined	DEF AT 5
14310 /12824	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14730 /13222	DEF AT -----	DEF AT 6
14754 /13244	DEF AT last sample examined	DEF AT 6



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 371	<b>Date of Summary:</b> 22-JUL-1993	<b>First Sample Examined:</b> 13740
<b>Lease Number:</b> G09524	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14754
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13244
<b>API Well Number:</b> 177064068800	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 13740 - 14754	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 16-AUG-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 005

**Remark:** Calcareous nannofossil report for sidetrack

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13740 /12289	DEF AT first sample examined	DEF AT
14130 /12652	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14243 /12760	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14730 /13222	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14754 /13244	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 371	<b>Date of Summary:</b> 27-DEC-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09524	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14273
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12677
<b>API Well Number:</b> 177064070800	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 143
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 14-APR-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10450 / 9812	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
11080 /10271	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12100 /11023	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 371	<b>Date of Summary:</b> 07-NOV-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09524	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12350
<b>Well Name:</b> A005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11401
<b>API Well Number:</b> 177064072500	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 298
<b>Public Info Code:</b> Y 07-SEP-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10600 / 9987	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
11050 /10365	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 371	<b>Date of Summary:</b> 29-NOV-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10687	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15507
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13602
<b>API Well Number:</b> 177064070400	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 10-FEB-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8250 / 7669	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11460 /10293	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12720 /11283	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14220 /12447	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 375	<b>Date of Summary:</b> 29-AUG-1996	<b>First Sample Examined:</b> 1590
<b>Lease Number:</b> G14427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12565
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11959
<b>API Well Number:</b> 177064077200	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 1590 - 12565	<b>Water Depth:</b> 318
<b>Public Info Code:</b> Y 31-MAR-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1590 / 1590	DEF AT first sample examined	DEF AT 3
2250 / 2249	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5010 / 5009	DEF AT -----	DEF AT 4
5040 / 5039	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6030 / 6029	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
7020 / 7019	DEF AT -----	DEF AT 5
7230 / 7229	DEF AT -----	DEF IN 5
7380 / 7379	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
7650 / 7649	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8010 / 8009	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
8219 / 8218	DEF AT anhydrite	DEF IN 5
8220 / 8219	DEF IN salt	DEF IN 5
8580 / 8579	DEF AT base of salt	DEF IN 5
12180 /11659	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12565 /11959	DEF AT last sample examined	DEF IN 5

**This report contains public paleo reports only for the time period stated**

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 1590
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 12565
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11959
API Well Number: 177064077200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 2 of 2	Sample Range: 1590 - 12565	Water Depth: 318
Public Info Code: Y 31-MAR-2006	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1590 / 1590	DEF AT first sample examined	DEF AT
1770 / 1770	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3780 / 3779	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4139 / 4138	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4140 / 4139	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5250 / 5249	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6120 / 6119	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7560 / 7559	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7740 / 7739	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7890 / 7889	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7950 / 7949	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8220 / 8219	DEF AT salt	DEF AT
8820 / 8816	DEF AT base of salt	DEF AT
8850 / 8845	DEF AT out-of-place section	DEF AT
8880 / 8874	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12565 / 11959	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 375	<b>Date of Summary:</b> 29-AUG-1996	<b>First Sample Examined:</b> 8370
<b>Lease Number:</b> G14427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16856
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14368
<b>API Well Number:</b> 177064077201	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 9	<b>Sample Range:</b> 8370 - 15870	<b>Water Depth:</b> 318
<b>Public Info Code:</b> Y 20-SEP-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8370 / 8369	DEF AT first sample examined	DEF IN 5
8371 / 8370	DEF IN salt	DEF IN 5
8700 / 8693	DEF AT base of salt	DEF IN 5
12360 /11417	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12720 /11672	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13200 /12008	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
13350 /12113	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13620 /12300	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15870 /13684	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 375	<b>Date of Summary:</b> 29-AUG-1996	<b>First Sample Examined:</b> 14060
<b>Lease Number:</b> G14427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16856
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14368
<b>API Well Number:</b> 177064077201	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 2 of 9	<b>Sample Range:</b> 14060 - 16290	<b>Water Depth:</b> 318
<b>Public Info Code:</b> Y 20-SEP-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Redrill 1, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 /12598	DEF AT first sample examined	DEF AT 5
14061 /12599	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16290 /13964	DEF AT last sample examined	DEF AT 5



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 375	<b>Date of Summary:</b> 29-AUG-1996	<b>First Sample Examined:</b> 15580
<b>Lease Number:</b> G14427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16856
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14368
<b>API Well Number:</b> 177064077201	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 3 of 9	<b>Sample Range:</b> 15580 - 18000	<b>Water Depth:</b> 318
<b>Public Info Code:</b> Y 20-SEP-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Redrill 2, no diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15580 /13498	DEF AT first sample examined	DEF AT 6
18000 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 14360
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 4 of 9	Sample Range: 14360 - 16820	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS: Y	Paleo ID: 005

**Remark:** Redrill 3, no diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14360 /12784	DEF AT first sample examined	DEF AT 6
16820 /14341	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 8370
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 5 of 9	Sample Range: 8370 - 15870	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 006

**Remark:** Calcareous nannofossil report for redrill 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8370 / 8369	DEF AT first sample examined	DEF AT
15870 /13684	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 375	<b>Date of Summary:</b> 29-AUG-1996	<b>First Sample Examined:</b> 14060
<b>Lease Number:</b> G14427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16856
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14368
<b>API Well Number:</b> 177064077201	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 6 of 9	<b>Sample Range:</b> 14060 - 16290	<b>Water Depth:</b> 318
<b>Public Info Code:</b> Y 20-SEP-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 007

**Remark:** Calcareous nannofossil report for redrill 2, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 /12598	DEF AT first sample examined	DEF AT
16290 /13964	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 8370
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 7 of 9	Sample Range: 8370 - 15870	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 008

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8370 / 8369	DEF AT first sample examined	DEF AT
8371 / 8370	DEF AT out-of-place section	DEF AT
8940 / 8916	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8970 / 8943	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9210 / 9146	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12960 /11844	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
13140 /11967	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13800 /12423	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
15450 /13412	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15870 /13684	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 14060
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 8 of 9	Sample Range: 14060 - 16290	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 009

**Remark:** Calcareous nannofossil report for sidetrack redrill 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 /12598	DEF AT first sample examined	DEF AT
14061 /12599	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15090 /13197	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16230 /13923	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16290 /13964	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 375	<b>Date of Summary:</b> 29-AUG-1996	<b>First Sample Examined:</b> 15580
<b>Lease Number:</b> G14427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16856
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14368
<b>API Well Number:</b> 177064077201	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 9 of 9	<b>Sample Range:</b> 15580 - 18000	<b>Water Depth:</b> 318
<b>Public Info Code:</b> Y 20-SEP-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 010

**Remark:** Calcareous nannofossil report for sidetrack redrill 2, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15580 /13498	DEF AT first sample examined	DEF AT
16200 /13902	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17580 /	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
18000 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 375	<b>Date of Summary:</b> 24-JUL-2002	<b>First Sample Examined:</b> 3770
<b>Lease Number:</b> G14427	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11669
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7801
<b>API Well Number:</b> 177064090601	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3770 - 11669	<b>Water Depth:</b> 303
<b>Public Info Code:</b> Y 19-JAN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3770 / 3288	DEF AT first sample examined	DEF AT 2
4310 / 3583	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4970 / 3919	DEF AT -----	DEF AT 2
6530 / 4731	DEF AT -----	DEF AT 3
8450 / 5858	DEF AT -----	DEF AT 4
8570 / 5934	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9230 / 6341	DEF AT -----	DEF AT 4
9740 / 6640	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
11420 / 7652	DEF AT -----	DEF AT 5
11669 / 7801	DEF AT last sample examined	DEF AT 5



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 379  
 Lease Number: G13606  
 Well Name: A002  
 API Well Number: 177064082800  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-MAY-2009

Date of Summary: 17-MAY-1999  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: TEXACO EXPLORATION AND PROD  
 Sample Range: 7720 - 8140  
 Ecozone Eq MMS: Y

First Sample Examined: 7720  
 Borehole MD: 8368  
 Borehole TVD: 4595  
 Rkb Elevation: 131  
 Water Depth: 327  
 Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7720 / 4257	DEF AT first sample examined	DEF IN 2
7721 / 4257	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
7780 / 4286	DEF AT local marker foram increase	DEF IN 3
7810 / 4301	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
7900 / 4347	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
8140 / 4474	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 389	Date of Summary: 30-JAN-1997	First Sample Examined: 0
Lease Number: G11853	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5065
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 4288
API Well Number: 177064074400	Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 365
Public Info Code: Y 30-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3320 / 2882	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 389	<b>Date of Summary:</b> 28-OCT-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G11853	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6739
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 3585
<b>API Well Number:</b> 177064076400	<b>Drilling Operator:</b> ASHLAND EXPLORATION HOLDINGS INC	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 365
<b>Public Info Code:</b> Y 30-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 2732	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6300 / 3426	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 389	Date of Summary: 30-JAN-1997	First Sample Examined: 0
Lease Number: G14430	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8428
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 3912
API Well Number: 177064075200	Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 365
Public Info Code: Y 12-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5970 / 2946	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 391	Date of Summary: 23-AUG-1996	First Sample Examined: 0
Lease Number: G15209	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7198
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6450
API Well Number: 177064078300	Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 365
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2740 / 2736	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6490 / 5894	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 395  
Lease Number: G11901  
Well Name: A001  
API Well Number: 177064066000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 04-OCT-2001

Date of Summary: 07-NOV-1991  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: LLECO HOLDINGS INC.  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 12685  
Borehole TVD: 9788  
Rkb Elevation: 89  
Water Depth: 427  
Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2440 / 2438	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
2950 / 2915	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3232 / 3144	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4240 / 3797	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9700 / 7374	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
11500 / 8825	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12130 / 9337	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12430 / 9581	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
12660 / 9768	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 397	Date of Summary: 09-JUN-1995	First Sample Examined: 4410
Lease Number: G03141	Source of Paleo: OPERATOR	Borehole MD: 15677
Well Name: A020	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13300
API Well Number: 177064074600	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 4410 - 14790	Water Depth: 395
Public Info Code: Y 06-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4410 / 4005	DEF AT first sample examined	DEF AT 2
4470 / 4051	DEF AT -----	DEF AT 1
4620 / 4167	DEF AT -----	DEF AT 2
5040 / 4481	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5280 / 4661	DEF AT -----	DEF AT 1
5670 / 4954	DEF AT -----	DEF AT 2
5730 / 4999	DEF AT -----	DEF AT 1
6360 / 5474	DEF AT -----	DEF AT 2
8160 / 6828	DEF AT -----	DEF AT 1
8340 / 6963	DEF AT -----	DEF AT 2
8370 / 6985	DEF AT -----	DEF AT 1
8460 / 7053	DEF AT -----	DEF AT 2
8490 / 7075	DEF AT -----	DEF AT 1
8520 / 7098	DEF AT -----	DEF AT 2
8580 / 7143	DEF AT -----	DEF AT 1
8910 / 7390	DEF AT -----	DEF AT 2
9000 / 7458	DEF AT -----	DEF AT 1
9210 / 7616	DEF AT -----	DEF AT 2
9330 / 7706	DEF AT -----	DEF AT 1
9360 / 7728	DEF AT -----	DEF AT 2
9690 / 7975	DEF AT -----	DEF AT 1
9780 / 8042	DEF AT -----	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 397  
Lease Number: G03141  
Well Name: A020  
API Well Number: 177064074600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 06-JUL-2005

Date of Summary: 09-JUN-1995  
Source of Paleo: OPERATOR  
Paleo Done By: BANE AND SCHUNICK  
Drilling Operator: PIONEER NATURAL RESOURCES USA INC  
Sample Range: 4410 - 14790  
Ecozone Eq MMS: Y

First Sample Examined: 4410  
Borehole MD: 15677  
Borehole TVD: 13300  
Rkb Elevation: 115  
Water Depth: 395  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9810 / 8064	DEF AT -----	DEF AT 1
9900 / 8130	DEF AT -----	DEF AT 2
9930 / 8152	DEF AT -----	DEF AT 1
10470 / 8549	DEF AT -----	DEF AT 2
10500 / 8571	DEF AT -----	DEF AT 1
10530 / 8594	DEF AT -----	DEF AT 2
10740 / 8752	DEF AT -----	DEF AT 1
10830 / 8821	DEF AT -----	DEF AT 2
11190 / 9095	DEF AT -----	DEF AT 1
11250 / 9141	DEF AT -----	DEF AT 2
11310 / 9187	DEF AT -----	DEF AT 1
11430 / 9279	DEF AT -----	DEF AT 2
12030 / 9761	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS AT 4
12060 / 9785	DEF AT -----	DEF AT 3
12090 / 9810	DEF AT -----	POS AT 4
12120 / 9834	DEF AT -----	DEF AT 3
12180 / 9884	DEF AT -----	POS AT 4
12210 / 9909	DEF AT -----	DEF IN 2
12300 / 9983	DEF AT -----	DEF AT 3
12330 /10008	DEF AT -----	DEF IN 2
12420 /10082	DEF AT -----	POS AT 4
12510 /10156	DEF AT -----	DEF AT 3
12540 /10181	DEF AT -----	POS AT 4
12570 /10206	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 397  
Lease Number: G03141  
Well Name: A020  
API Well Number: 177064074600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 06-JUL-2005

Date of Summary: 09-JUN-1995  
Source of Paleo: OPERATOR  
Paleo Done By: BANE AND SCHUNICK  
Drilling Operator: PIONEER NATURAL RESOURCES USA INC  
Sample Range: 4410 - 14790  
Ecozone Eq MMS: Y

First Sample Examined: 4410  
Borehole MD: 15677  
Borehole TVD: 13300  
Rkb Elevation: 115  
Water Depth: 395  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12600 /10231	DEF AT -----	POS AT 4
12630 /10256	DEF AT -----	DEF AT 3
12660 /10281	DEF AT -----	POS AT 4
12690 /10306	DEF AT -----	DEF AT 3
12720 /10331	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	POS AT 4
12750 /10356	DEF AT local marker deep water fauna	POS AT 4
12780 /10381	DEF AT -----	DEF AT 4
12840 /10432	DEF AT -----	POS AT 4
12870 /10457	DEF AT -----	DEF AT 4
12900 /10482	DEF AT -----	DEF AT 3
12950 /10524	DEF AT -----	POS AT 4
12990 /10558	DEF AT -----	DEF AT 3
13080 /10635	DEF AT -----	DEF IN 2
13140 /10686	DEF AT -----	DEF AT 3
13170 /10712	DEF AT -----	DEF IN 2
13200 /10738	DEF AT -----	DEF AT 3
13230 /10764	DEF AT -----	DEF IN 2
13740 /11216	DEF AT -----	DEF AT 1
13800 /11271	DEF AT -----	DEF AT 2
13950 /11407	DEF AT -----	DEF AT 1
14190 /11624	DEF AT -----	DEF AT 2
14250 /11678	DEF AT -----	POS AT 4
14370 /11787	DEF AT -----	DEF AT 3
14400 /11814	DEF AT -----	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 397	<b>Date of Summary:</b> 09-JUN-1995	<b>First Sample Examined:</b> 4410
<b>Lease Number:</b> G03141	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15677
<b>Well Name:</b> A020	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 13300
<b>API Well Number:</b> 177064074600	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4410 - 14790	<b>Water Depth:</b> 395
<b>Public Info Code:</b> Y 06-JUL-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14700 /12088	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
14790 /12171	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 398	Date of Summary: 25-JUN-1993	First Sample Examined: 5600
Lease Number: G09529	Source of Paleo: OPERATOR	Borehole MD: 14042
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14035
API Well Number: 177064069000	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5600 - 14060	Water Depth: 381
Public Info Code: Y 16-JUL-2003	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5600	DEF AT first sample examined	DEF AT 4
7010 / 7006	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
7190 / 7186	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8690 / 8685	DEF AT - - - - -	DEF AT 5
9590 / 9585	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13730 /13723	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13880 /13873	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14060 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 398	Date of Summary: 13-SEP-1993	First Sample Examined: 5600
Lease Number: G09529	Source of Paleo: OPERATOR	Borehole MD: 14879
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13971
API Well Number: 177064069600	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5600 - 14879	Water Depth: 381
Public Info Code: Y 09-OCT-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5598	DEF AT first sample examined	DEF AT 4
6590 / 6587	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
7940 / 7873	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
8240 / 8146	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8780 / 8628	DEF AT Bathysiphon fauna	DEF AT 4
9230 / 9023	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9650 / 9391	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
9768 / 9495	DEF AT Eggerella sp. (local marker)	DEF AT 5
9769 / 9495	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
9770 / 9496	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9890 / 9601	DEF AT Cyclamina cancellata (local marker)	DEF AT 5
10520 /10157	DEF AT local marker foram increase	DEF AT 5
11540 /11072	DEF AT foram flood	DEF AT 5
11690 /11206	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT 5
13010 /12379	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
13280 /12613	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
13850 /13103	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
14030 /13259	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
14060 /13285	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 6
14630 /13765	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14659 /13789	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14660 /13790	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 398	<b>Date of Summary:</b> 13-SEP-1993	<b>First Sample Examined:</b> 5600
<b>Lease Number:</b> G09529	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14879
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13971
<b>API Well Number:</b> 177064069600	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5600 - 14879	<b>Water Depth:</b> 381
<b>Public Info Code:</b> Y 09-OCT-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14879 /13971	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 398  
 Lease Number: G09529  
 Well Name: A003  
 API Well Number: 177064073700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 09-MAR-2005

Date of Summary: 08-AUG-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: KERR-MCGEE CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14873  
 Borehole TVD: 13579  
 Rkb Elevation: 82  
 Water Depth: 381  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8985	DEF AT first sample examined	DEF AT 5
9480 / 9463	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13260 /12448	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14790 /13521	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 398	<b>Date of Summary:</b> 08-AUG-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09529	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16128
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14390
<b>API Well Number:</b> 177064073701	<b>Drilling Operator:</b> KERR-MCGEE CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 381
<b>Public Info Code:</b> Y 30-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14780 /13413	DEF AT first sample examined	DEF AT 5
15170 /13692	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15890 /14216	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
16128 /14390	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 408	Date of Summary: 08-MAR-2000	First Sample Examined: 0
Lease Number: G15212	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8000
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7999
API Well Number: 177064084400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 388
Public Info Code: Y 24-JAN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1819 / 1819	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6810 / 6809	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 410	Date of Summary: 10-JUL-1995	First Sample Examined: 0
Lease Number: G11903	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6550
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 6419
API Well Number: 177064075900	Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 364
Public Info Code: Y 12-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2160 / 2160	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3600 / 3600	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
5040 / 5035	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5550 / 5518	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 410	Date of Summary: 03-JAN-1997	First Sample Examined: 0
Lease Number: G11903	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 3503
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 3433
API Well Number: 177064072900	Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 364
Public Info Code: Y 12-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2200 / 2200	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: VR 410	Date of Summary: 06-DEC-1996	First Sample Examined: 0
Lease Number: G14430	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6428
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5094
API Well Number: 177064072700	Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 364
Public Info Code: Y 12-JUL-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2520 / 2336	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 412	<b>Date of Summary:</b> 07-FEB-1990	<b>First Sample Examined:</b> 2600
<b>Lease Number:</b> G06685	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7362
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6718
<b>API Well Number:</b> 177064063700	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2600 - 7341	<b>Water Depth:</b> 468
<b>Public Info Code:</b> Y 22-FEB-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2600 / 2600	DEF AT first sample examined	DEF IN 3
4700 / 4478	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
7341 / 6703	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 412	<b>Date of Summary:</b> 07-FEB-1990	<b>First Sample Examined:</b> 2600
<b>Lease Number:</b> G06685	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7362
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6718
<b>API Well Number:</b> 177064063700	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2600 - 7341	<b>Water Depth:</b> 468
<b>Public Info Code:</b> Y 22-FEB-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2600 / 2600	DEF AT first sample examined	DEF AT
2870 / 2869	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7341 / 6703	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 412	<b>Date of Summary:</b> 04-MAR-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G06685	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8587
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6335
<b>API Well Number:</b> 177064064301	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 468
<b>Public Info Code:</b> Y 22-APR-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4507 / 3651	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5859 / 4399	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 412	<b>Date of Summary:</b> 25-FEB-1991	<b>First Sample Examined:</b> 2600
<b>Lease Number:</b> G06685	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 5975
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 4581
<b>API Well Number:</b> 177064064302	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 2600 - 5975	<b>Water Depth:</b> 468
<b>Public Info Code:</b> Y 12-MAR-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2600 / 2501	DEF AT first sample examined	DEF IN 3
4040 / 3468	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
5120 / 4024	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 3
5975 / 4581	DEF AT last sample examined	DEF IN 3

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End Date: 01-DEC-2016

<b>Area Block:</b> VR 412	<b>Date of Summary:</b> 25-FEB-1991	<b>First Sample Examined:</b> 2600
<b>Lease Number:</b> G06685	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 5975
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 4581
<b>API Well Number:</b> 177064064302	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 2600 - 5975	<b>Water Depth:</b> 468
<b>Public Info Code:</b> Y 12-MAR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2600 / 2501	DEF AT first sample examined	DEF AT
3410 / 3100	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5975 / 4581	DEF AT last sample examined	DEF AT



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End Date: 01-DEC-2016

<b>Area Block:</b> VR 412	<b>Date of Summary:</b> 07-FEB-1990	<b>First Sample Examined:</b> 4600
<b>Lease Number:</b> G08678	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6691
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6420
<b>API Well Number:</b> 177064063701	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4600 - 6700	<b>Water Depth:</b> 468
<b>Public Info Code:</b> Y 29-FEB-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4600 / 4394	DEF AT first sample examined	DEF IN 3
4690 / 4473	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6700 /	DEF AT last sample examined	DEF AT 3

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End Date: 01-DEC-2016

Area Block: VR 412	Date of Summary: 07-FEB-1990	First Sample Examined: 4600
Lease Number: G08678	Source of Paleo: OPERATOR	Borehole MD: 6691
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6420
API Well Number: 177064063701	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 4600 - 6700	Water Depth: 468
Public Info Code: Y 29-FEB-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4600 / 4394	DEF AT first sample examined	DEF AT
6700 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 412	<b>Date of Summary:</b> 14-FEB-1990	<b>First Sample Examined:</b> 2694
<b>Lease Number:</b> G08678	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 8403
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7006
<b>API Well Number:</b> 177064063702	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 2690 - 8403	<b>Water Depth:</b> 468
<b>Public Info Code:</b> Y 13-MAR-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2690 / 2690	DEF AT first sample examined	DEF IN 3
4610 / 4259	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8403 / 7008	DEF AT last sample examined	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> VR 412	<b>Date of Summary:</b> 11-APR-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08678	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6609
<b>Well Name:</b> A008	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 4472
<b>API Well Number:</b> 177064065600	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 468
<b>Public Info Code:</b> Y 08-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4139 / 3309	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5315 / 3841	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 28	<b>Date of Summary:</b> 16-FEB-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16104	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11114
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11111
<b>API Well Number:</b> 177004104300	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 26
<b>Public Info Code:</b> Y 03-FEB-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7220 / 7220	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9550 / 9549	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
10750 /10748	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 28  
 Lease Number: G16104  
 Well Name: 002  
 API Well Number: 177004104801  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 11-JUN-2010

Date of Summary: 12-JUL-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14993  
 Borehole TVD: 14976  
 Rkb Elevation: 84  
 Water Depth: 26  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7500	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8050 / 8049	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9700 / 9696	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
10700 /10690	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
10950 /10940	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT
13480 /13470	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 28  
Lease Number: G16104  
Well Name: 003  
API Well Number: 177004106100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 03-AUG-2010

Date of Summary: 07-MAY-2001  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: VASTAR RESOURCES INC.  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 11700  
Borehole TVD: 11697  
Rkb Elevation: 112  
Water Depth: 28  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7420 / 7418	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9940 / 9937	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11040 /11037	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
11280 /11277	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 34	<b>Date of Summary:</b> 11-MAR-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03251	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8866
<b>Well Name:</b> D010	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8428
<b>API Well Number:</b> 177004098500	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 116
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 32
<b>Public Info Code:</b> Y 05-MAR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6805 / 6655	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7635 / 7376	DEF AT deepwater facies Harang	DEF AT
8527 / 8141	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 36  
 Lease Number: G11753  
 Well Name: 001  
 API Well Number: 177004091500  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-JUL-2003

Date of Summary: 04-AUG-1995  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: NEWFIELD EXPLORATION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11450  
 Borehole TVD: 11447  
 Rkb Elevation: 123  
 Water Depth: 32  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7915 / 7914	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8258 / 8257	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10002 / 10000	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 38	<b>Date of Summary:</b> 05-SEP-2003	<b>First Sample Examined:</b> 6990
<b>Lease Number:</b> G23732	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15496
<b>API Well Number:</b> 177004117000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 6990 - 15500	<b>Water Depth:</b> 34
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 6990	DEF AT first sample examined	DEF AT 1
7290 / 7290	DEF AT - - - - -	DEF AT 2
7620 / 7620	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
9900 / 9899	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
10620 /10619	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 2
10650 /10649	DEF AT - - - - -	DEF AT 3
12090 /12089	DEF AT sample gap top	DEF AT
12225 /12224	DEF AT sample gap bottom	DEF AT
12270 /12269	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
12540 /12539	DEF AT - - - - -	DEF AT 4
12600 /12599	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
13470 /13468	DEF AT - - - - -	DEF AT 3
15200 /15198	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 3
15500 /15496	DEF AT last sample examined	DEF AT 3

**This report contains public paleo reports only for the time period stated**

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 38	<b>Date of Summary:</b> 05-SEP-2003	<b>First Sample Examined:</b> 10590
<b>Lease Number:</b> G23732	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15496
<b>API Well Number:</b> 177004117000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10590 - 15500	<b>Water Depth:</b> 34
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10590 /10589	DEF AT first sample examined	DEF AT
10650 /10649	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
12090 /12089	DEF AT sample gap top	DEF AT
12225 /12224	DEF AT sample gap bottom	DEF AT
12240 /12239	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
12600 /12599	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
15500 /15496	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 39	<b>Date of Summary:</b> 15-JAN-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13825	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10976
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10538
<b>API Well Number:</b> 177004100401	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 32
<b>Public Info Code:</b> Y 11-SEP-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7350 / 7349	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9040 / 8961	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 39	<b>Date of Summary:</b> 01-MAY-2006	<b>First Sample Examined:</b> 8990
<b>Lease Number:</b> G13825	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21800
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 18606
<b>API Well Number:</b> 177004123000	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 125
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8990 - 21800	<b>Water Depth:</b> 31
<b>Public Info Code:</b> Y 11-NOV-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Paleo done by Rashel N Rosen, NCR & Associates, foram species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8990 / 8213	DEF AT first sample examined	DEF AT 1
10040 / 9046	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10280 / 9236	DEF AT -----	DEF IN 2
10700 / 9568	POS AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
11090 / 9877	DEF AT -----	POS AT 1
11947 /10550	DEF AT -----	DEF IN 2
12190 /10742	DEF AT reworked material	DEF AT 3
12550 /11027	DEF AT -----	DEF AT 2
12970 /11360	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 2
13300 /11621	DEF AT -----	DEF IN 3
13480 /11763	DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni	DEF IN 3
16570 /14212	POS AT drilling material	DEF IN 3
16630 /14259	DEF AT local marker benthic foram increase	DEF IN 3
18730 /15930	DEF AT -----	DEF IN 3
19240 /16340	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF IN 3
19539 /16584	DEF AT local marker planktic foram increase	DEF IN 3
19540 /16584	DEF AT foram flood	DEF IN 3
19569 /16608	DEF AT anhydrite	DEF IN 3
19570 /16609	DEF AT salt	DEF IN 3
21800 /18607	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WC 39	<b>Date of Summary:</b> 01-MAY-2006	<b>First Sample Examined:</b> 11480
<b>Lease Number:</b> G13825	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21800
<b>Well Name:</b> A002	<b>Paleo Done By:</b> MJ SEQUENCE BIOSTRAT. SVGE. (MJIANG)	<b>Borehole TVD:</b> 18606
<b>API Well Number:</b> 177004123000	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 125
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11480 - 21800	<b>Water Depth:</b> 31
<b>Public Info Code:</b> Y 11-NOV-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nanno species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11480 /10186	DEF AT first sample examined	DEF AT
11570 /10256	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11810 /10443	DEF AT sequence boundary	DEF AT
11900 /10513	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
14590 /12643	DEF AT sequence boundary	DEF AT
16990 /14544	DEF AT sequence boundary	DEF AT
18490 /15740	POS AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
18670 /15882	DEF AT sequence boundary	DEF AT
19900 /16871	DEF AT salt	DEF AT
21800 /18607	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 39	<b>Date of Summary:</b> 18-JAN-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13825	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12034
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10269
<b>API Well Number:</b> 177004102800	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 31
<b>Public Info Code:</b> Y 23-JUN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7462 / 6477	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8100 / 6998	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10500 / 8969	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 40	Date of Summary: 23-JUL-2004	First Sample Examined: 4456
Lease Number: G24704	Source of Paleo: OPERATOR	Borehole MD: 16507
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16500
API Well Number: 177004119600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4456 - 16507	Water Depth: 32
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4456 / 4456	DEF AT first sample examined	DEF AT 2
6120 / 6119	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6900 / 6899	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
7050 / 7049	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
9210 / 9208	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 2
11100 /11097	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
14280 /14275	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
14490 /14485	DEF AT faunal change (no faunal increase)	DEF AT 4
15000 /14994	POS AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF AT 3
15660 /15654	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF AT 3
16507 /16500	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 40	<b>Date of Summary:</b> 16-AUG-2004	<b>First Sample Examined:</b> 11010
<b>Lease Number:</b> G24704	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16507
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16500
<b>API Well Number:</b> 177004119600	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11010 - 16507	<b>Water Depth:</b> 32
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 /11007	DEF AT first sample examined	DEF AT
11220 /11217	POS AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
11640 /11637	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
14609 /14604	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
14610 /14605	POS AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
16507 /16500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 41	<b>Date of Summary:</b> 02-NOV-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17753	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11030
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11030
<b>API Well Number:</b> 177004111800	<b>Drilling Operator:</b> PRS OFFSHORE LP	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 31
<b>Public Info Code:</b> Y 28-MAY-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9920 / 9919	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10562 /10561	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 42	Date of Summary: 16-FEB-2004	First Sample Examined: 10200
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 10790
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10789
API Well Number: 177004117801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 10200 - 10790	Water Depth: 28
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by R V Roederer

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10200 /10199	DEF AT first sample examined	DEF AT 2
10201 /10200	DEF IN Lower (Early) Miocene	DEF AT 2
10230 /10229	DEF AT local marker foram decrease	DEF AT 2
10320 /10319	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 2
10350 /10349	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT 2
10380 /10379	DEF AT local marker benthic foram increase	DEF AT 2
10469 /10468	DEF AT drilling material	DEF AT 2
10470 /10469	DEF AT local marker foram decrease	DEF AT 2
10710 /10709	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 2
10740 /10739	DEF AT local marker benthic foram increase	DEF AT 2
10770 /10769	DEF AT last sample examined	DEF AT 2

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 42	Date of Summary: 01-NOV-2005	First Sample Examined: 9990
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 18901
Well Name: 002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 18800
API Well Number: 177004123200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 9990 - 18900	Water Depth: 29
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Fiesta Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9989	DEF AT first sample examined	POS AT 2
9991 / 9990	DEF IN Lower Miocene (Aquitanian) Siphonina davis	POS AT 2
10020 /10019	DEF AT local marker foram decrease	POS AT 2
10080 /10079	DEF AT local marker foram increase	DEF AT 2
10410 /10409	DEF AT Arenaceous fauna (local marker)	DEF AT 2
10830 /10829	DEF AT local marker foram decrease	DEF AT 2
10950 /10949	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 2
11070 /11069	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF IN 2
11100 /11099	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF IN 2
11220 /11219	DEF AT - - - - -	DEF AT 2
11250 /11249	DEF AT foram flood	DEF IN 2
11310 /11309	DEF AT Eggerella sp. (local marker)	DEF IN 2
11370 /11369	DEF AT local marker planktic foram increase	DEF IN 2
11490 /11489	DEF AT local marker foram decrease	DEF AT 2
11580 /11579	DEF AT local marker planktic foram increase	DEF AT 2
11610 /11609	DEF AT faunal change (no faunal increase)	DEF AT 2
11640 /11639	DEF AT local marker benthic foram increase	DEF AT 2
11730 /11729	DEF AT local marker foram decrease	DEF AT 2
11790 /11789	DEF AT faunal change (no faunal increase)	POS AT 2
11880 /11879	DEF AT faunal change (no faunal increase)	DEF AT 2
11910 /11909	DEF AT Eggerella sp. (local marker)	DEF AT 2
12030 /12029	DEF AT deepwater facies Abbeville Iberia	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 42	Date of Summary: 01-NOV-2005	First Sample Examined: 9990
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 18901
Well Name: 002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 18800
API Well Number: 177004123200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 9990 - 18900	Water Depth: 29
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12060 /12059	DEF AT Eggerella sp. (local marker)	DEF IN 2
12180 /12179	DEF AT local marker benthic foram increase	DEF AT 2
12330 /12328	DEF AT local marker foram increase	DEF IN 2
12480 /12476	DEF AT local marker benthic foram increase	DEF IN 2
12540 /12535	DEF AT faunal change (no faunal increase)	DEF AT 2
12570 /12564	DEF AT Eggerella sp. (local marker)	DEF AT 3
12600 /12594	DEF AT local marker foram increase	DEF IN 2
12660 /12652	DEF AT local marker foram decrease	DEF AT 2
13200 /13163	DEF AT Eggerella sp. (local marker)	DEF IN 2
13230 /13191	DEF AT local marker foram decrease	DEF AT 2
13650 /13585	DEF AT local marker benthic foram increase	DEF AT 2
13680 /13613	DEF AT local marker benthic foram increase	DEF IN 2
13710 /13641	DEF AT local marker benthic foram increase	DEF AT 2
13740 /13670	DEF AT local marker foram decrease	DEF AT 2
14610 /14512	DEF AT faunal change (no faunal increase)	DEF IN 2
14640 /14542	DEF AT local marker benthic foram increase	DEF IN 2
14670 /14572	DEF AT faunal change (no faunal increase)	DEF AT 2
14790 /14691	DEF AT local marker benthic foram increase	DEF IN 2
14850 /14751	DEF AT Cyclammina cancellata (local marker)	DEF AT 2
14879 /14780	DEF IN deepwater facies Abbeville Iberia	DEF IN 3
14880 /14781	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
14940 /14841	DEF AT local marker planktic foram increase	DEF IN 3
14970 /14871	DEF AT Eggerella sp. (local marker)	DEF AT 3
15000 /14901	DEF AT local marker deep water fauna	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 42	Date of Summary: 01-NOV-2005	First Sample Examined: 9990
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 18901
Well Name: 002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 18800
API Well Number: 177004123200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 9990 - 18900	Water Depth: 29
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15330 /15231	DEF AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF AT 3
15360 /15261	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 3
15450 /15351	DEF AT local marker foram decrease	DEF AT 2
15510 /15411	DEF AT local marker benthic foram increase	DEF IN 2
15540 /15441	DEF AT local marker foram decrease	DEF AT 2
15720 /15621	DEF AT local marker foram increase	DEF IN 2
15780 /15681	DEF AT local marker foram decrease	DEF AT 2
15930 /15831	DEF AT local marker planktic foram increase	DEF AT 2
15960 /15861	DEF AT local marker planktic foram increase	DEF IN 2
15990 /15891	DEF AT - - - - -	DEF AT 2
16020 /15921	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 2
16050 /15951	DEF AT local marker benthic foram increase	DEF IN 2
16140 /16041	DEF AT faunal change (no faunal increase)	DEF AT 3
16170 /16071	DEF AT reworked material	DEF AT 3
16320 /16221	DEF AT faunal change (no faunal increase)	POS AT 4
16350 /16251	DEF AT faunal change (no faunal increase)	DEF AT 3
16380 /16281	DEF AT local marker benthic foram increase	POS AT 4
16410 /16311	DEF AT Cyclammina cancellata (local marker)	POS AT 4
16440 /16341	DEF AT faunal change (no faunal increase)	DEF IN 3
16470 /16371	DEF AT faunal change (no faunal increase)	DEF IN 3
16590 /16491	DEF AT local marker planktic foram increase	DEF IN 3
16620 /16521	DEF AT local marker benthic foram increase	POS AT 4
16650 /16551	DEF AT local marker deep water fauna	DEF AT 4
16680 /16581	DEF AT local marker foram decrease	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 42	<b>Date of Summary:</b> 01-NOV-2005	<b>First Sample Examined:</b> 9990
<b>Lease Number:</b> G22500	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18901
<b>Well Name:</b> 002	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 18800
<b>API Well Number:</b> 177004123200	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9990 - 18900	<b>Water Depth:</b> 29
<b>Public Info Code:</b> Y 12-APR-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16710 /16611	DEF AT faunal change (no faunal increase)	DEF AT 3
16740 /16641	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
16800 /16701	DEF AT local marker planktic foram increase	DEF IN 3
16890 /16791	DEF AT faunal change (no faunal increase)	DEF IN 2
16950 /16851	DEF AT local marker benthic foram increase	DEF IN 2
16980 /16881	DEF AT faunal change (no faunal increase)	DEF AT 3
17010 /16911	DEF AT faunal change (no faunal increase)	DEF IN 2
17070 /16971	DEF AT local marker foram decrease	DEF AT 2
17250 /17151	DEF AT local marker benthic foram increase	DEF AT 2
17400 /17301	DEF AT local marker planktic foram increase	DEF AT 2
17430 /17330	DEF AT local marker foram decrease	DEF AT 2
17700 /17600	POS AT limestone	DEF AT 2
18270 /18170	POS AT local marker foram increase	DEF AT 2
18330 /18230	DEF AT local marker foram decrease	DEF AT 2
18480 /18380	POS AT local marker foram increase	DEF AT 2
18600 /18499	DEF AT local marker foram decrease	DEF AT 2
18720 /18619	DEF AT local marker foram increase	DEF AT 2
18750 /18649	DEF AT Bathysiphon fauna	DEF AT 2
18810 /18709	DEF AT local marker foram decrease	DEF AT 2
18900 /18799	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 43  
 Lease Number: G16107  
 Well Name: 002  
 API Well Number: 177004110100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 20-JUL-2010

Date of Summary: 04-SEP-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: OSPREY PETROLEUM COMPANY INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12765  
 Borehole TVD: 12301  
 Rkb Elevation: 100  
 Water Depth: 30  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9915 / 9803	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
11400 /11102	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 43	<b>Date of Summary:</b> 03-MAR-2005	<b>First Sample Examined:</b> 15400
<b>Lease Number:</b> G16107	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18800
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18790
<b>API Well Number:</b> 177004120900	<b>Drilling Operator:</b> HELIS OIL & GAS COMPANY LLC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15400 - 18800	<b>Water Depth:</b> 31
<b>Public Info Code:</b> Y 20-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15400 /15394	DEF AT first sample examined	DEF AT 4
16160 /16153	POS IN Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
18800 /18790	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 43	<b>Date of Summary:</b> 24-AUG-2005	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G16107	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18500
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18484
<b>API Well Number:</b> 177004122700	<b>Drilling Operator:</b> HELIS OIL & GAS COMPANY LLC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 8010 - 18500	<b>Water Depth:</b> 31
<b>Public Info Code:</b> Y 20-JUL-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8010	DEF AT first sample examined	DEF AT 1
8580 / 8580	DEF AT - - - - -	DEF AT 2
8700 / 8700	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 2
9390 / 9390	DEF AT local marker benthic foram increase	DEF AT 3
9690 / 9689	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 3
10860 /10859	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 3
11010 /11009	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 3
11250 /11249	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 3
12120 /12119	DEF AT sample gap top	POS AT 3
12300 /12299	DEF AT sample gap bottom	DEF AT 3
14910 /14907	DEF AT Eggerella sp. (local marker)	DEF AT 4
15330 /15327	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4
15480 /15477	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
15570 /15567	DEF AT Arenaceous fauna (local marker)	DEF AT 3
15870 /15867	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF AT 3
17670 /17660	DEF AT poor sample interval top	DEF AT 3
18499 /18484	DEF AT poor sample interval bottom	DEF AT 3
18500 /18485	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 46  
Lease Number: G17754  
Well Name: A001  
API Well Number: 177004113600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 18-NOV-2010

Date of Summary: 16-SEP-2002  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: EL PASO PRODUCTION GOM INC  
Sample Range: 4000 - 18700  
Ecozone Eq MMS: Y

First Sample Examined: 4000  
Borehole MD: 18700  
Borehole TVD: 18687  
Rkb Elevation: 98  
Water Depth: 32  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT 1
6040 / 6040	DEF AT -----	DEF AT 2
8590 / 8590	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
9160 / 9160	DEF AT -----	DEF AT 3
9430 / 9430	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 3
9910 / 9910	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 3
12370 /12370	DEF AT sample gap top	POS AT 3
12730 /12730	DEF AT sample gap bottom	DEF AT 3
13540 /13540	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 3
18270 /18265	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF AT 3
18390 /18383	DEF AT -----	DEF AT 4
18700 /18687	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 48	Date of Summary: 08-SEP-2000	First Sample Examined: 0
Lease Number: G01438	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15497
Well Name: H001	Paleo Done By: OPERATOR	Borehole TVD: 13572
API Well Number: 177004106300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 25
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8895	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 53	Date of Summary: 20-SEP-1993	First Sample Examined: 0
Lease Number: G04379	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14030
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14030
API Well Number: 177004086600	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 24-MAR-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6816 / 6816	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7110 / 7110	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8220 / 8219	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8250 / 8249	DEF AT sample gap top	DEF AT
8340 / 8339	DEF AT sample gap bottom	DEF AT
8520 / 8519	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8850 / 8849	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9240 / 9239	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
9510 / 9509	DEF AT Lower Miocene (Aquitania) Siphonina davis	DEF AT
9540 / 9539	DEF AT Lower Miocene (Aquitania) Planulina palmerae	DEF AT
9780 / 9779	DEF AT Lower Miocene (Aquitania) Globigerinoides primordius	DEF AT
10050 /10049	DEF AT Lower Miocene (Aquitania) Lenticulina hanseni	DEF AT
10800 /10799	DEF AT Lower Miocene (Aquitania) Globorotalia kugleri	DEF AT
12420 /12419	DEF AT Cyclammia cancellata (local marker)	DEF AT
12900 /12899	DEF AT local marker benthic foram increase	DEF AT
14010 /14008	DEF AT Lower Miocene (Aquitania) Lenticulina jeffersonensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 54	Date of Summary: 16-JUL-2003	First Sample Examined: 14630
Lease Number: G22501	Source of Paleo: OPERATOR	Borehole MD: 18674
Well Name: I001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18086
API Well Number: 177004115700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 14630 - 18530	Water Depth: 35
Public Info Code: Y 03-JUL-2013	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report (from detailed report without summary), samples indicate section is mostly reworked Cretaceous flora

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14630 /14614	DEF AT first sample examined	DEF AT
14631 /14615	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14930 /14909	POS AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
15110 /15081	POS AT reworked material	DEF AT
16939 /16643	POS AT reworked material	DEF AT
16940 /16644	POS AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
18349 /17829	POS AT reworked material	DEF AT
18350 /17830	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 54	<b>Date of Summary:</b> 28-JUL-2003	<b>First Sample Examined:</b> 13700
<b>Lease Number:</b> G22501	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18674
<b>Well Name:</b> I001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18086
<b>API Well Number:</b> 177004115700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13700 - 18615	<b>Water Depth:</b> 35
<b>Public Info Code:</b> Y 03-JUL-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13700 /13688	DEF AT first sample examined	DEF AT 2
13701 /13689	DEF IN Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 2
13730 /13718	DEF AT - - - - -	DEF IN 2
13760 /13748	DEF AT local marker foram increase	DEF AT 2
13820 /13808	DEF AT local marker planktic foram increase	DEF AT 2
13880 /13868	POS IN Lower Miocene (Aquitanian) Lenticulina hansenii	DEF AT 2
13910 /13898	DEF AT local marker foram decrease	DEF AT 2
14330 /14317	POS AT local marker foram increase	DEF AT 2
14450 /14436	DEF AT local marker foram decrease	DEF AT 2
14510 /14495	DEF AT local marker planktic foram increase	DEF AT 2
14600 /14584	DEF AT local marker foram increase	DEF AT 2
14630 /14614	DEF AT local marker planktic foram increase	DEF AT 2
14840 /14821	DEF AT local marker foram decrease	DEF AT 2
14930 /14909	POS IN Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 2
15020 /14996	DEF AT Arenaceous fauna (local marker)	DEF AT 2
15110 /15081	DEF AT faunal change (no faunal increase)	DEF AT 2
15170 /15135	DEF AT local marker foram decrease	DEF AT 2
15980 /15836	DEF AT local marker foram increase	DEF AT 2
16010 /15861	DEF AT local marker foram decrease	DEF AT 2
16940 /16644	DEF AT local marker foram increase	DEF AT 2
17060 /16744	DEF AT local marker foram decrease	DEF AT 2
17270 /16924	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 54	<b>Date of Summary:</b> 28-JUL-2003	<b>First Sample Examined:</b> 13700
<b>Lease Number:</b> G22501	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18674
<b>Well Name:</b> I001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 18086
<b>API Well Number:</b> 177004115700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13700 - 18615	<b>Water Depth:</b> 35
<b>Public Info Code:</b> Y 03-JUL-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17360 /17001	DEF AT local marker foram decrease	DEF AT 2
17510 /17127	POS AT local marker planktic foram increase	DEF AT 2
17660 /17255	POS AT local marker foram increase	DEF AT 2
17780 /17357	POS IN Upper Oligocene (Chattian) Globigerina sellii	DEF IN 2
17810 /17382	DEF AT local marker foram decrease	DEF AT 2
18260 /17757	DEF AT local marker foram increase	DEF AT 2
18350 /17830	DEF AT local marker foram decrease	DEF AT 2
18500 /17950	DEF AT local marker foram increase	DEF AT 2
18590 /18022	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 56	Date of Summary: 16-MAR-2004	First Sample Examined: 10480
Lease Number: 00301	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: 017	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 14043
API Well Number: 177004118700	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10480 - 14100	Water Depth: 31
Public Info Code: Y 19-AUG-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10480 /10476	DEF AT first sample examined	DEF AT 2
10630 /10626	POS AT local marker foram increase	DEF AT 2
10660 /10656	DEF IN Lower Miocene (Aquitania) Planulina palmerae	DEF AT 2
10870 /10866	POS AT Lower Miocene (Aquitania) Globigerinoides primordius	DEF AT 2
10960 /10956	DEF AT local marker benthic foram increase	DEF IN 2
11410 /11404	DEF AT Lower Miocene (Aquitania) Lenticulina hanseni	DEF AT 2
11590 /11581	POS AT Lower Miocene (Aquitania) Lenticulina jeffersonensis	DEF AT 2
11710 /11699	DEF AT local marker foram increase	DEF AT 2
11890 /11875	DEF AT local marker foram increase	DEF AT 2
11920 /11905	DEF AT local marker planktic foram increase	DEF AT 2
12370 /12346	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12520 /12493	DEF AT faunal change (no faunal increase)	DEF AT 2
12610 /12581	DEF AT local marker benthic foram increase	DEF IN 2
12700 /12669	DEF AT faunal change (no faunal increase)	DEF AT 2
12760 /12728	DEF IN Lower Miocene (Aquitania) Lenticulina jeffersonensis	DEF AT 2
12910 /12875	DEF AT local marker benthic foram increase	DEF IN 2
12970 /12933	DEF AT faunal change (no faunal increase)	DEF AT 2
13030 /12992	DEF AT local marker planktic foram increase	DEF AT 2
13150 /13110	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
13240 /13199	DEF AT faunal change (no faunal increase)	DEF IN 2
13360 /13317	DEF AT local marker benthic foram increase	DEF IN 2
13510 /13464	DEF AT faunal change (no faunal increase)	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 56	<b>Date of Summary:</b> 16-MAR-2004	<b>First Sample Examined:</b> 10480
<b>Lease Number:</b> 00301	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14100
<b>Well Name:</b> 017	<b>Paleo Done By:</b> BANE AND SCHUNICK	<b>Borehole TVD:</b> 14043
<b>API Well Number:</b> 177004118700	<b>Drilling Operator:</b> STONE ENERGY CORPORATION	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10480 - 14100	<b>Water Depth:</b> 31
<b>Public Info Code:</b> Y 19-AUG-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 /13582	DEF AT faunal change (no faunal increase)	DEF AT 3
13690 /13641	DEF AT faunal change (no faunal increase)	DEF AT 2
14030 /13974	DEF AT local marker foram increase	DEF AT 2
14100 /14043	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 26-MAY-1992	<b>First Sample Examined:</b> 4200
<b>Lease Number:</b> G09383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15600
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14762
<b>API Well Number:</b> 177004085100	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 6	<b>Sample Range:</b> 4200 - 10680	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 20-JUN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 4200	DEF AT first sample examined	DEF AT
4650 / 4650	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
5820 / 5820	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
6090 / 6090	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
7560 / 7551	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
10680 /10255	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 26-MAY-1992	<b>First Sample Examined:</b> 10290
<b>Lease Number:</b> G09383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15600
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14762
<b>API Well Number:</b> 177004085100	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 2 of 6	<b>Sample Range:</b> 10290 - 12150	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 20-JUN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Calcareous nannofossil report for sidetrack 1, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10290 / 9916	DEF AT first sample examined	DEF AT
12150 / 11478	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 26-MAY-1992	<b>First Sample Examined:</b> 12210
<b>Lease Number:</b> G09383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15600
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14762
<b>API Well Number:</b> 177004085100	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 3 of 6	<b>Sample Range:</b> 12210 - 15600	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 20-JUN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 006

**Remark:** Calcareous nannofossil report for sidetrack 3

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12210 /11525	DEF AT first sample examined	DEF AT
13710 /12886	POS IN Middle Miocene (Langhian) Discoaster calcosus	DEF AT
15600 /14762	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 27-MAY-1992	<b>First Sample Examined:</b> 4200
<b>Lease Number:</b> G09383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15600
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14762
<b>API Well Number:</b> 177004085100	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 4 of 6	<b>Sample Range:</b> 4200 - 10680	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 20-JUN-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 4200	DEF AT first sample examined	DEF AT 2
4710 / 4710	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5730 / 5730	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6150 / 6150	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7470 / 7464	DEF AT faunal change (no faunal increase)	DEF AT 3
7650 / 7639	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
7890 / 7867	DEF AT faunal change (no faunal increase)	DEF AT 2
10500 /10098	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
10680 /10255	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 27-MAY-1992	<b>First Sample Examined:</b> 10320
<b>Lease Number:</b> G09383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15600
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14762
<b>API Well Number:</b> 177004085100	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 5 of 6	<b>Sample Range:</b> 10320 - 12150	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 20-JUN-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Sidetrack 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10320 / 9942	DEF AT first sample examined	DEF AT 2
10440 /10046	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12150 /11478	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 27-MAY-1992	<b>First Sample Examined:</b> 12150
<b>Lease Number:</b> G09383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15600
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14762
<b>API Well Number:</b> 177004085100	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 6 of 6	<b>Sample Range:</b> 12150 - 15600	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 20-JUN-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 005

**Remark:** Sidetrack 3 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12150 /11478	DEF AT first sample examined	DEF AT 3
12900 /12123	DEF AT poor sample interval top	DEF AT 3
13470 /12654	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
14450 /13615	DEF AT poor sample interval bottom	DEF AT 3
15060 /14222	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 4
15600 /14762	DEF AT last sample examined	DEF AT 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 26-NOV-1996	<b>First Sample Examined:</b> 10830
<b>Lease Number:</b> G09383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14866
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13588
<b>API Well Number:</b> 177004094600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 123
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10830 - 14389	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 14-DEC-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 / 9952	DEF AT first sample examined	DEF AT 2
11070 /10175	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13320 /12207	DEF AT -----	DEF AT 4
13860 /12681	DEF AT -----	DEF AT 3
14010 /12815	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
14389 /13155	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 26-NOV-1996	<b>First Sample Examined:</b> 14220
<b>Lease Number:</b> G09383	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14866
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13588
<b>API Well Number:</b> 177004094600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 123
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14220 - 14866	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 14-DEC-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14220 /13002	DEF AT first sample examined	DEF AT 3
14670 /13410	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
14866 /13588	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 61	Date of Summary: 05-DEC-2000	First Sample Examined: 0
Lease Number: G09384	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14730
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 14323
API Well Number: 177004088000	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 36
Public Info Code: Y 27-DEC-2003	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8190 / 8101	DEF AT Lower (Early) Miocene	DEF AT
12156 /11749	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
13650 /13243	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 31-DEC-1991	<b>First Sample Examined:</b> 5200
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16900
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15708
<b>API Well Number:</b> 177004084400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 5200 - 13840	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 27-JAN-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5200 / 5139	DEF AT first sample examined	DEF AT 2
5770 / 5650	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7841 / 7547	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
10690 /10131	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12820 /12118	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 4
13060 /12343	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
13209 /12481	DEF AT -----	DEF AT 3
13840 /13059	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 31-DEC-1991	<b>First Sample Examined:</b> 12490
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16900
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15708
<b>API Well Number:</b> 177004084400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 12490 - 16900	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 27-JAN-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12490 /11808	DEF AT first sample examined	POS AT 4
12491 /11809	DEF AT cement	POS AT 4
12820 /12118	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 4
13091 /12372	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
13150 /12427	DEF AT - - - - -	DEF AT 3
14560 /13690	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
16900 /15708	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 31-DEC-1991	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16900
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15708
<b>API Well Number:</b> 177004084400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 7000 - 13840	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 27-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6772	DEF AT first sample examined	DEF AT
7180 / 6940	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
7870 / 7573	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13450 /12703	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
13840 /13059	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 31-DEC-1991	<b>First Sample Examined:</b> 12490
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16900
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15708
<b>API Well Number:</b> 177004084400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 12490 - 16900	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 27-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Calcareous nannofossil report for sidetrack

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12490 /11808	DEF AT first sample examined	DEF AT
13480 /12730	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
16900 /15708	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 06-MAR-1997	<b>First Sample Examined:</b> 11280
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17196
<b>Well Name:</b> B002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14425
<b>API Well Number:</b> 177004095400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 123
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11280 - 16980	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 03-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11280 / 9994	DEF AT first sample examined	DEF AT 2
11670 /10273	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12150 /10633	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
14370 /12232	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
16980 /14248	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 06-MAR-1997	<b>First Sample Examined:</b> 16980
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17196
<b>Well Name:</b> B002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14425
<b>API Well Number:</b> 177004095400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 123
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 16960 - 17196	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 03-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Sidetrack report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16960 /14231	DEF AT first sample examined	DEF AT 3
17196 /14425	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 19-JAN-1999	<b>First Sample Examined:</b> 15010
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18818
<b>Well Name:</b> B003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14772
<b>API Well Number:</b> 177004101400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15010 - 20050	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 03-JAN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15010 /11959	DEF AT first sample examined	DEF AT
15790 /12472	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
16810 /13099	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
20051 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 20-JAN-1999	<b>First Sample Examined:</b> 14020
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18818
<b>Well Name:</b> B003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14772
<b>API Well Number:</b> 177004101400	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14020 - 20050	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 03-JAN-2009	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14020 /11294	DEF AT first sample examined	DEF AT 2
15580 /12344	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
15760 /12454	DEF AT - - - - -	DEF AT 4
15820 /12489	DEF AT local marker benthic foram increase	DEF AT 4
16000 /12595	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
16300 /12775	DEF AT - - - - -	DEF AT 3
20050 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 09-FEB-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09386	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 20050
<b>Well Name:</b> B003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15992
<b>API Well Number:</b> 177004101401	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 119
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 01-FEB-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15580 /12344	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
15790 /12472	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
15820 /12490	DEF AT local marker (general)	DEF AT
16000 /12596	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
16810 /13099	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17858 /13895	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 19-OCT-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09387	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15700
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14057
<b>API Well Number:</b> 177004090700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 113
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 11-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11160 /10064	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
14890 /13319	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
15600 /13965	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 03-JAN-2001	<b>First Sample Examined:</b> 13020
<b>Lease Number:</b> G09387	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16988
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14170
<b>API Well Number:</b> 177004110700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 122
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13020 - 16988	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 12-OCT-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13020 /11065	DEF AT first sample examined	DEF AT
15375 /12859	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
16988 /14170	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 61	<b>Date of Summary:</b> 24-OCT-2001	<b>First Sample Examined:</b> 9990
<b>Lease Number:</b> G09387	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16988
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14170
<b>API Well Number:</b> 177004110700	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 122
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9990 - 16988	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 12-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 8675	DEF AT first sample examined	DEF AT 2
11130 / 9592	POS IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
11820 /10143	DEF AT - - - - -	POS AT 3
11970 /10259	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12300 /10513	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
15210 /12732	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
16988 /14170	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 62	<b>Date of Summary:</b> 08-JUN-2010	<b>First Sample Examined:</b> 12970
<b>Lease Number:</b> G25872	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22110
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 21072
<b>API Well Number:</b> 177004130100	<b>Drilling Operator:</b> EP ENERGY E&P COMPANY L P	<b>Rkb Elevation:</b> 158
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12970 - 22110	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 19-JAN-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, no diagnostic nannofossil events observed, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12970 /12056	DEF AT first sample examined	DEF AT 3
12971 /12057	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
16540 /15564	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
19630 /18651	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
22110 /21072	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 63	Date of Summary: 24-APR-2001	First Sample Examined: 9010
Lease Number: G17756	Source of Paleo: OPERATOR	Borehole MD: 15415
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15408
API Well Number: 177004108401	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 2	Sample Range: 9010 - 15415	Water Depth: 37
Public Info Code: Y 30-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** 12780=Cristellaria cf 47, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9010 / 9004	DEF AT first sample examined	DEF AT 2
10120 /10113	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12780 /12773	DEF AT local marker (general)	DEF AT 3
13800 /13793	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
15415 /15408	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 63	<b>Date of Summary:</b> 25-APR-2001	<b>First Sample Examined:</b> 10000
<b>Lease Number:</b> G17756	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15415
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15408
<b>API Well Number:</b> 177004108401	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10000 - 15415	<b>Water Depth:</b> 37
<b>Public Info Code:</b> Y 30-JUN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9993	DEF AT first sample examined	DEF AT
10180 /10173	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnoides	DEF AT
14280 /14273	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
15360 /15353	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
15415 /15408	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5350 / 5350	DEF AT first sample examined	DEF IN 1
5351 / 5351	DEF IN Upper (Late) Miocene	DEF IN 1
5439 / 5439	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF IN 1
5440 / 5440	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 1
5500 / 5500	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 1
5680 / 5680	DEF AT miliolid limestone	DEF AT 2
5740 / 5740	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 2
5769 / 5769	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
5770 / 5770	DEF AT Upper Miocene (Tortonian) Bigenerina 2	DEF AT 2
5860 / 5860	DEF AT - - - - -	DEF IN 1
5890 / 5890	DEF AT local marker foram decrease	DEF IN 1
6010 / 6010	DEF AT local marker benthic foram increase	DEF AT 2
6040 / 6040	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
6370 / 6370	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 2
6460 / 6460	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6490 / 6490	DEF AT local marker foram decrease	DEF AT 2
6610 / 6610	DEF AT local marker benthic foram increase	DEF AT 2
6700 / 6700	DEF AT local marker foram decrease	DEF AT 2
6820 / 6820	DEF AT local marker planktic foram increase	DEF AT 2
6880 / 6880	DEF AT local marker foram decrease	DEF AT 2
6970 / 6970	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
7000 / 7000	DEF AT local marker foram decrease	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7300	DEF AT - - - - -	DEF IN 1
7960 / 7960	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
7990 / 7990	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 2
8050 / 8050	DEF AT miliolid limestone	DEF AT 2
8110 / 8110	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 2
8170 / 8170	DEF AT local marker benthic foram increase	DEF IN 2
8200 / 8200	DEF AT local marker foram decrease	DEF AT 2
8470 / 8470	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8500 / 8500	DEF AT local marker benthic foram increase	DEF AT 2
8530 / 8530	DEF AT local marker foram decrease	DEF AT 2
8560 / 8560	DEF AT local marker benthic foram increase	DEF AT 2
8770 / 8770	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8890 / 8890	DEF AT local marker foram decrease	DEF IN 1
9520 / 9520	DEF AT local marker benthic foram increase	DEF IN 1
9640 / 9639	DEF AT Lower Miocene (Burdigalian) Camerina 1	DEF IN 1
9850 / 9849	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 1
10210 /10209	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10290 /10289	DEF AT local marker foram decrease	DEF AT 2
10410 /10409	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF IN 2
10500 /10499	DEF AT - - - - -	DEF AT 2
10620 /10619	DEF AT local marker foram increase	DEF IN 2
10710 /10709	DEF AT local marker foram increase	DEF IN 2
10740 /10739	DEF AT local marker foram decrease	DEF AT 2
10920 /10919	DEF AT local marker benthic foram increase	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11040 /11039	DEF AT local marker benthic foram increase	DEF IN 2
11070 /11069	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11490 /11489	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 2
11520 /11519	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 2
11700 /11699	DEF AT faunal change (no faunal increase)	DEF IN 2
11850 /11849	DEF AT local marker benthic foram increase	DEF IN 2
12120 /12119	DEF AT local marker foram decrease	DEF AT 2
12570 /12569	DEF AT - - - - -	DEF IN 1
12840 /12839	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12870 /12869	DEF AT local marker foram decrease	DEF AT 2
13230 /13229	POS AT reworked material	DEF AT 2
13350 /13349	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 2
13380 /13379	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF IN 2
13440 /13439	DEF AT local marker benthic foram increase	DEF AT 3
13740 /13739	DEF AT Eggerella sp. (local marker)	DEF AT 3
13830 /13829	DEF AT local marker foram decrease	DEF AT 3
13860 /13859	DEF AT local marker benthic foram increase	DEF AT 3
13920 /13919	DEF AT Arenaceous fauna (local marker)	DEF IN 2
14010 /14009	DEF AT local marker foram decrease	DEF IN 2
14460 /14459	POS AT local marker benthic foram increase	DEF AT 2
14610 /14609	DEF AT local marker benthic foram increase	DEF IN 2
14700 /14699	DEF AT local marker foram decrease	DEF AT 2
15030 /15029	DEF AT local marker benthic foram increase	DEF AT 2
15150 /15149	DEF AT local marker foram decrease	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 63  
 Lease Number: G24705  
 Well Name: 001  
 API Well Number: 177004121300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-JUN-2008

Date of Summary: 17-JAN-2005  
 Source of Paleo: OPERATOR  
 Paleo Done By: BANE AND SCHUNICK  
 Drilling Operator: CHEVRON TEXACO CORP.  
 Sample Range: 5350 - 17133  
 Ecozone Eq MMS: Y

First Sample Examined: 5350  
 Borehole MD: 17133  
 Borehole TVD: 17132  
 Rkb Elevation: 83  
 Water Depth: 35  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16020 /16019	DEF AT Arenaceous fauna (local marker)	DEF IN 2
16260 /16259	DEF AT local marker foram decrease	DEF IN 2
16410 /16409	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 2
16470 /16469	DEF AT - - - - -	DEF AT 2
16590 /16589	DEF AT local marker planktic foram increase	DEF IN 2
16680 /16679	DEF AT local marker foram decrease	DEF AT 2
17133 /17131	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 66	<b>Date of Summary:</b> 18-NOV-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01860	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9240
<b>Well Name:</b> C002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8434
<b>API Well Number:</b> 177004036601	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 116
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 32
<b>Public Info Code:</b> Y 18-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 6889	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7588 / 7292	DEF AT deepwater facies Harang	DEF AT
8666 / 8050	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 66	<b>Date of Summary:</b> 30-JAN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02819	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9411
<b>Well Name:</b> C005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8395
<b>API Well Number:</b> 177004098300	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 116
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 32
<b>Public Info Code:</b> Y 23-JAN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7205 / 6503	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8013 / 7185	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
8906 / 7954	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 66  
 Lease Number: G02826  
 Well Name: A017  
 API Well Number: 177004100600  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 27-SEP-2008

Date of Summary: 01-JUL-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 10850  
 Borehole TVD: 8410  
 Rkb Elevation: 117  
 Water Depth: 36  
 Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8552 / 6761	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9540 / 7460	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
10596 / 8224	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 66  
 Lease Number: G02826  
 Well Name: B016  
 API Well Number: 177004097100  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 12-AUG-2007

Date of Summary: 18-AUG-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11044  
 Borehole TVD: 10614  
 Rkb Elevation: 110  
 Water Depth: 32  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6850 / 6645	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7630 / 7357	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
8454 / 8113	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10432 /10003	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 72	<b>Date of Summary:</b> 04-FEB-2003	<b>First Sample Examined:</b> 8000
<b>Lease Number:</b> G23735	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15522
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15500
<b>API Well Number:</b> 177004114900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8000 - 15522	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 24-FEB-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 3
8060 / 8059	DEF AT sample gap top	POS AT 3
8300 / 8299	DEF AT sample gap bottom	DEF AT 3
8420 / 8419	POS IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
8600 / 8599	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9020 / 9018	DEF AT - - - - -	DEF AT 2
9710 / 9708	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
10520 /10518	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
14780 /14760	DEF AT - - - - -	DEF AT 4
14900 /14879	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
14990 /14969	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
15522 /15500	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 72	<b>Date of Summary:</b> 04-FEB-2003	<b>First Sample Examined:</b> 10520
<b>Lease Number:</b> G23735	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15522
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15500
<b>API Well Number:</b> 177004114900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10520 - 15522	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 24-FEB-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, from 10520 to 14660, samples are barren or contain very sparse nannoflora, probably diminished because of the relatively shallow water environment, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 /10518	DEF AT first sample examined	DEF AT
15050 /15029	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
15522 /15500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 72	Date of Summary: 24-MAY-2004	First Sample Examined: 8010
Lease Number: G23735	Source of Paleo: OPERATOR	Borehole MD: 15254
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13926
API Well Number: 177004119400	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 8010 - 15254	Water Depth: 39
Public Info Code: Y 12-JUN-2014	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8009	DEF AT first sample examined	POS AT 3
8580 / 8579	POS IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
8760 / 8759	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
10080 /10077	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
10410 /10401	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
10620 /10601	DEF AT - - - - -	DEF AT 3
11400 /11284	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13635 /12826	DEF AT sample gap top	POS AT 3
14160 /13181	DEF AT sample gap bottom	POS AT 3
14700 /13548	DEF AT - - - - -	DEF AT 4
15254 /13926	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 72	<b>Date of Summary:</b> 24-MAY-2004	<b>First Sample Examined:</b> 10320
<b>Lease Number:</b> G23735	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15254
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13926
<b>API Well Number:</b> 177004119400	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10320 - 15254	<b>Water Depth:</b> 39
<b>Public Info Code:</b> Y 12-JUN-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10320 /10313	DEF AT first sample examined	DEF AT
10410 /10401	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
11100 /11037	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (variety?)	DEF AT
12000 /11716	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
13290 /12591	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13635 /12826	DEF AT sample gap top	DEF AT
14160 /13181	DEF AT sample gap bottom	DEF AT
15254 /13926	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 72	Date of Summary: 19-JUL-2006	First Sample Examined: 11970
Lease Number: G23735	Source of Paleo: OPERATOR	Borehole MD: 14058
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13595
API Well Number: 177004125000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 11970 - 13980	Water Depth: 38
Public Info Code: Y 18-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11970 /11653	DEF AT first sample examined	DEF AT 3
11971 /11654	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12480 /12129	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
13080 /12684	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 3
13320 /12907	DEF AT - - - - -	DEF AT 2
13980 /13522	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 72	Date of Summary: 12-OCT-2006	First Sample Examined: 12260
Lease Number: G23735	Source of Paleo: OPERATOR	Borehole MD: 15004
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14473
API Well Number: 177004125001	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 12260 - 15000	Water Depth: 38
Public Info Code: Y 22-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12260 /11925	DEF AT first sample examined	DEF AT 3
12261 /11926	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
12420 /12075	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
12689 /12326	POS AT condensed section	DEF AT 3
12690 /12327	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 3
14160 /13681	DEF AT - - - - -	DEF AT 4
14490 /13997	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
14610 /14111	DEF AT Lower Miocene (Aquitania) Siphonina davis	DEF AT 4
14760 /14251	DEF AT reworked material	DEF AT 4
14820 /14306	DEF AT condensed section	DEF AT 4
15000 /14469	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 73	Date of Summary: 09-MAY-2003	First Sample Examined: 4900
Lease Number: G23736	Source of Paleo: OPERATOR	Borehole MD: 13255
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13254
API Well Number: 177004115600	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 4900 - 14800	Water Depth: 40
Public Info Code: Y 02-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4900 / 4900	DEF AT first sample examined	DEF AT 1
5140 / 5140	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5830 / 5830	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6700 / 6700	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
6790 / 6790	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6940 / 6940	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 2
7180 / 7180	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
8050 / 8050	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
8140 / 8140	DEF AT - - - - -	DEF AT 3
9550 / 9550	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10420 /10420	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
11170 /11170	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
14800 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 73	<b>Date of Summary:</b> 09-MAY-2003	<b>First Sample Examined:</b> 13410
<b>Lease Number:</b> G23736	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16082
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16079
<b>API Well Number:</b> 177004115601	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13410 - 16082	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 28-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13410 /13409	DEF AT first sample examined	DEF AT 3
13411 /13410	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
15030 /15027	DEF AT -----	POS AT 4
16082 /16079	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 80	Date of Summary: 01-JUL-1999	First Sample Examined: 0
Lease Number: G16113	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 19329
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19315
API Well Number: 177004095200	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 36
Public Info Code: Y 31-JUL-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9620 / 9619	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10880 /10879	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
11600 /11599	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT
14170 /14168	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 92	Date of Summary: 29-JUN-1998	First Sample Examined: 0
Lease Number: G13829	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9945
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9683
API Well Number: 177004099100	Drilling Operator: ATP OIL & GAS CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 22-NOV-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9828 / 9574	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 94  
 Lease Number: G15054  
 Well Name: 001  
 API Well Number: 177004095000  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-JUN-2000

Date of Summary: 07-FEB-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: IP PETROLEUM COMPANY INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14175  
 Borehole TVD: 14172  
 Rkb Elevation: 96  
 Water Depth: 40  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8010	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10080 /10080	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11400 /11399	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 95	Date of Summary: 09-FEB-2006	First Sample Examined: 10000
Lease Number: G24710	Source of Paleo: OPERATOR	Borehole MD: 18710
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18688
API Well Number: 177004123300	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 10000 - 18710	Water Depth: 38
Public Info Code: Y 09-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
10000 / 9998	DEF AT first sample examined	DEF AT 3
10330 /10328	POS IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10390 /10388	POS AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
11450 /11448	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
12440 /12437	POS AT local marker (general)	DEF AT 3
14930 /14926	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
15110 /15106	DEF AT -----	DEF AT 4
18710 /18688	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 96	<b>Date of Summary:</b> 25-AUG-2005	<b>First Sample Examined:</b> 15400
<b>Lease Number:</b> G09387	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17508
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15446
<b>API Well Number:</b> 177004121500	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15400 - 17465	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 26-APR-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15400 /13406	DEF AT first sample examined	DEF AT 3
15401 /13407	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
15520 /13513	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
15640 /13621	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF IN 3
15759 /13730	DEF AT pyrite	DEF IN 3
15760 /13731	DEF AT local marker benthic foram increase	DEF IN 3
15880 /13843	DEF AT - - - - -	DEF AT 3
16090 /14043	POS AT Lower Miocene (Aquitanean) Siphonina davis	DEF IN 2
16300 /14246	DEF AT Lower Miocene (Aquitanean) Siphonina davis	DEF IN 2
16420 /14363	DEF AT local marker foram decrease	DEF IN 1
16599 /14538	DEF AT Eggerella sp. (local marker)	DEF IN 2
16600 /14539	DEF AT Bathysiphon fauna	DEF IN 2
16720 /14658	DEF AT local marker foram decrease	DEF IN 1
17020 /14958	DEF AT - - - - -	POS IN 1
17200 /15138	DEF AT local marker foram increase	DEF IN 2
17320 /15258	POS AT Lower Miocene (Aquitanean) Lenticulina hanseni	DEF AT 3
17350 /15288	POS AT Arenaceous fauna (local marker)	DEF AT 3
17410 /15348	POS AT Lower Miocene (Aquitanean) Globorotalia kugleri	DEF AT 3
17465 /15403	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 96	<b>Date of Summary:</b> 25-AUG-2005	<b>First Sample Examined:</b> 15400
<b>Lease Number:</b> G09387	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17508
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 15446
<b>API Well Number:</b> 177004121500	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (AMERICAS) INC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15400 - 17465	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 26-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15400 /13406	DEF AT first sample examined	DEF AT
15460 /13459	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17465 /15403	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 96	<b>Date of Summary:</b> 15-JUL-2004	<b>First Sample Examined:</b> 15000
<b>Lease Number:</b> G09387	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19603
<b>Well Name:</b> B001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 18500
<b>API Well Number:</b> 177004119500	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15000 - 19603	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 18-AUG-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /13901	DEF AT first sample examined	DEF AT
15001 /13902	DEF AT reworked material	DEF AT
15002 /13903	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
16020 /14920	DEF IN Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
16710 /15610	DEF AT reworked material	DEF AT
16860 /15760	DEF AT Lower Miocene (Aquitania) Sphenolithus conicus	DEF AT
17610 /16509	DEF AT reworked material	DEF AT
19603 /18500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 96	Date of Summary: 29-SEP-2004	First Sample Examined: 15000
Lease Number: G09387	Source of Paleo: OPERATOR	Borehole MD: 19603
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18500
API Well Number: 177004119500	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 105
Paleo Report Num: 2 of 2	Sample Range: 15000 - 19603	Water Depth: 38
Public Info Code: Y 18-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15000 /13901	DEF AT first sample examined	DEF AT 3
15001 /13902	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
15180 /14080	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
15239 /14139	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
15240 /14140	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 3
15300 /14200	DEF AT faunal change (no faunal increase)	DEF IN 2
15540 /14440	DEF AT faunal change (no faunal increase)	DEF AT 2
15660 /14560	DEF AT local marker foram decrease	DEF AT 2
15720 /14620	DEF AT faunal change (no faunal increase)	DEF IN 2
16020 /14920	DEF AT faunal change (no faunal increase)	DEF AT 2
16410 /15310	DEF AT local marker foram increase	DEF AT 2
16440 /15340	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 2
16530 /15430	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 2
17100 /15999	DEF AT local marker foram increase	DEF IN 2
17160 /16059	DEF AT faunal change (no faunal increase)	DEF AT 2
17340 /16239	DEF AT faunal change (no faunal increase)	DEF IN 2
17400 /16299	DEF AT faunal change (no faunal increase)	DEF IN 1
17580 /16479	DEF AT faunal change (no faunal increase)	DEF AT 2
17640 /16539	DEF AT Arenaceous fauna (local marker)	DEF AT 2
17730 /16629	DEF AT faunal change (no faunal increase)	DEF AT 1
17910 /16809	DEF AT local marker foram decrease	DEF AT 1
18060 /16959	DEF AT faunal change (no faunal increase)	POS AT 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 96  
 Lease Number: G09387  
 Well Name: B001  
 API Well Number: 177004119500  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 18-AUG-2014

Date of Summary: 29-SEP-2004  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: NEWFIELD EXPLORATION COMPANY  
 Sample Range: 15000 - 19603  
 Ecozone Eq MMS: Y

First Sample Examined: 15000  
 Borehole MD: 19603  
 Borehole TVD: 18500  
 Rkb Elevation: 105  
 Water Depth: 38  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18240 /17139	DEF AT faunal change (no faunal increase)	DEF IN 1
18600 /17498	DEF AT local marker foram increase	DEF AT 2
18660 /17558	DEF AT faunal change (no faunal increase)	POS AT 2
18900 /17798	DEF AT faunal change (no faunal increase)	DEF IN 1
19020 /17918	DEF AT faunal change (no faunal increase)	DEF AT 2
19080 /17977	POS AT Cyclammina cancellata (local marker)	POS AT 3
19140 /18037	DEF AT faunal change (no faunal increase)	DEF AT 2
19530 /18427	DEF AT faunal change (no faunal increase)	DEF IN 2
19603 /18500	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 96	Date of Summary: 14-APR-1998	First Sample Examined: 4520
Lease Number: G15055	Source of Paleo: OPERATOR	Borehole MD: 15545
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15105
API Well Number: 177004098800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 4520 - 14035	Water Depth: 40
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

MD / TVD	Paleo Top Description	Ecozone
4520 / 4520	DEF AT first sample examined	DEF AT 2
4700 / 4700	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
5540 / 5516	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6110 / 6030	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6380 / 6270	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7970 / 7708	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
8090 / 7817	DEF AT faunal change (no faunal increase)	DEF AT 3
9110 / 8757	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
11068 /10636	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
11780 /11347	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
14035 /13600	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 98	<b>Date of Summary:</b> 17-SEP-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12757	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9425
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7969
<b>API Well Number:</b> 177004085600	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 122
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 15-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7014 / 6451	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8527 / 7414	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9140 / 7795	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 98	<b>Date of Summary:</b> 01-SEP-2005	<b>First Sample Examined:</b> 4963
<b>Lease Number:</b> G12757	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17560
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16517
<b>API Well Number:</b> 177004123100	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4963 - 17560	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 01-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4963 / 4963	DEF AT first sample examined	DEF AT 0
5040 / 5040	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 0
5310 / 5309	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 0
6030 / 6002	DEF AT -----	DEF AT 1
6390 / 6334	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 1
6540 / 6472	DEF AT -----	DEF IN 2
7770 / 7594	DEF AT -----	DEF AT 1
7830 / 7649	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
8130 / 7923	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8310 / 8088	DEF AT -----	DEF AT 1
8490 / 8252	DEF AT -----	DEF AT 2
8760 / 8497	DEF AT -----	DEF AT 1
9720 / 9377	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10500 /10119	DEF AT -----	DEF AT 2
11550 /11123	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 2
11640 /11208	DEF AT local marker benthic foram increase	DEF AT 2
11910 /11464	DEF AT -----	DEF IN 2
12960 /12460	DEF AT -----	DEF AT 1
13080 /12572	DEF AT -----	DEF AT 2
13440 /12901	DEF AT pyrite	DEF AT 2
14040 /13409	DEF AT foram flood	DEF AT 3
15180 /14376	DEF AT -----	DEF AT 2

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 98	<b>Date of Summary:</b> 01-SEP-2005	<b>First Sample Examined:</b> 4963
<b>Lease Number:</b> G12757	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17560
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16517
<b>API Well Number:</b> 177004123100	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4963 - 17560	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 01-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15270 /14455	DEF AT - - - - -	DEF IN 2
16020 /15116	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF IN 2
17189 /16155	DEF AT local marker planktic foram increase	DEF AT 3
17190 /16156	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
17460 /16419	DEF AT - - - - -	DEF AT 2
17560 /16517	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 100	<b>Date of Summary:</b> 28-JUN-2002	<b>First Sample Examined:</b> 8020
<b>Lease Number:</b> G22510	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11512
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11409
<b>API Well Number:</b> 177004112601	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8020 - 11511	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 04-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8020 / 8018	DEF AT first sample examined	DEF AT 3
8740 / 8738	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10090 /10087	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10600 /10583	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
11511 /11409	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 100	<b>Date of Summary:</b> 28-JUN-2002	<b>First Sample Examined:</b> 9520
<b>Lease Number:</b> G22510	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11512
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11409
<b>API Well Number:</b> 177004112601	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9520 - 11511	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 04-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9520 / 9518	DEF AT first sample examined	DEF AT
9521 / 9519	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
10990 /10949	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
11500 /11399	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
11511 /11409	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 100	<b>Date of Summary:</b> 04-FEB-2003	<b>First Sample Examined:</b> 7980
<b>Lease Number:</b> G22510	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17608
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15800
<b>API Well Number:</b> 177004114800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7980 - 17580	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 10-JAN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7980	DEF AT first sample examined	DEF AT 2
8670 / 8667	DEF AT - - - - -	DEF AT 3
8970 / 8960	POS IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
9210 / 9189	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9630 / 9568	DEF AT - - - - -	DEF AT 2
10440 /10205	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
12090 /11491	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12930 /12161	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13290 /12458	DEF AT - - - - -	DEF AT 4
15540 /14195	DEF AT - - - - -	DEF AT 3
16740 /15131	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
17580 /15778	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 100	<b>Date of Summary:</b> 15-MAY-2003	<b>First Sample Examined:</b> 12090
<b>Lease Number:</b> G22510	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17608
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15800
<b>API Well Number:</b> 177004114800	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12090 - 17608	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 10-JAN-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12090 /11491	DEF AT first sample examined	DEF AT
12120 /11514	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
13020 /12235	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
14010 /13029	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17608 /15800	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 100	<b>Date of Summary:</b> 23-APR-2002	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G22510	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15300
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15298
<b>API Well Number:</b> 177004112100	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8010 - 15300	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 17-FEB-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** 15210=Siphogenerina lamellata, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8009	DEF AT first sample examined	DEF AT 3
8700 / 8699	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10560 /10559	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
11490 /11489	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
15210 /15208	DEF AT local marker (general)	DEF AT 4
15300 /15298	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 100	<b>Date of Summary:</b> 23-APR-2002	<b>First Sample Examined:</b> 9300
<b>Lease Number:</b> G22510	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15300
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15298
<b>API Well Number:</b> 177004112100	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9300 - 15300	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 17-FEB-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9300 / 9299	DEF AT first sample examined	DEF AT
9301 / 9300	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
10590 /10589	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
10920 /10919	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
11370 /11369	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
12540 /12539	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
15300 /15298	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 100	<b>Date of Summary:</b> 28-JUN-2002	<b>First Sample Examined:</b> 10960
<b>Lease Number:</b> G22510	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17015
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16000
<b>API Well Number:</b> 177004112602	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10960 - 17015	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 07-JUL-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, 15430=16690=locally significant increase in reworked Cretaceous, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10960 /10921	DEF AT first sample examined	DEF AT
11050 /11006	POS IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
11440 /11373	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
12490 /12296	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
15430 /14647	DEF AT reworked material	DEF AT
16690 /15717	DEF AT reworked material	DEF AT
17015 /16000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 100	<b>Date of Summary:</b> 28-JUN-2002	<b>First Sample Examined:</b> 10960
<b>Lease Number:</b> G22510	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17015
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16000
<b>API Well Number:</b> 177004112602	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10960 - 17015	<b>Water Depth:</b> 41
<b>Public Info Code:</b> Y 07-JUL-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** 15700=possible local marker Siphogenerina lamellata

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10960 /10921	DEF AT first sample examined	DEF AT 3
10961 /10922	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
11530 /11458	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
15700 /14873	DEF AT local marker benthic foram increase	DEF AT 4
17015 /16000	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 102	<b>Date of Summary:</b> 09-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00247	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16484
<b>Well Name:</b> 027	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16484
<b>API Well Number:</b> 177004095900	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 09-APR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8750 / 8749	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10180 /10179	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11080 /11079	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
12400 /12398	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 102  
 Lease Number: 00247  
 Well Name: H001  
 API Well Number: 177004103400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 24-AUG-2009

Date of Summary: 06-OCT-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13774  
 Borehole TVD: 12566  
 Rkb Elevation: 96  
 Water Depth: 40  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7830 / 7264	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8770 / 8071	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9615 / 8812	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10420 / 9531	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
12100 / 11039	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 109	Date of Summary: 16-JAN-2007	First Sample Examined: 5090
Lease Number: G23744	Source of Paleo: OPERATOR	Borehole MD: 18202
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17047
API Well Number: 177004126100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 5090 - 18200	Water Depth: 42
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, 6920=Globigerinoides subquadratus, 9440=Discorbis crosbiei, 9620=Globigerinoides diminutus, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5090 / 5090	DEF AT first sample examined	DEF AT 1
5180 / 5180	DEF AT -----	DEF AT 2
5300 / 5300	DEF AT -----	DEF AT 1
5630 / 5630	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 1
5660 / 5660	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 1
5719 / 5719	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5720 / 5720	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 2
5780 / 5780	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 2
5930 / 5930	DEF AT -----	DEF AT 1
6110 / 6110	DEF AT -----	DEF AT 2
6260 / 6260	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 2
6440 / 6440	DEF AT -----	DEF AT 3
6590 / 6590	DEF AT -----	DEF AT 2
6650 / 6650	DEF AT -----	DEF AT 1
6800 / 6800	DEF AT -----	DEF AT 2
6920 / 6920	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
6950 / 6950	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 2
7250 / 7250	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 2
7340 / 7340	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
7520 / 7520	DEF AT -----	DEF IN 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 109	Date of Summary: 16-JAN-2007	First Sample Examined: 5090
Lease Number: G23744	Source of Paleo: OPERATOR	Borehole MD: 18202
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17047
API Well Number: 177004126100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 5090 - 18200	Water Depth: 42
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7610 / 7610	DEF AT -----	DEF AT 3
7670 / 7670	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 3
7730 / 7730	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 3
7820 / 7820	DEF AT -----	DEF AT 3
8090 / 8090	DEF AT -----	DEF AT 2
8120 / 8120	DEF AT -----	DEF AT 1
8360 / 8360	DEF AT -----	DEF AT 2
8419 / 8419	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 2
8420 / 8420	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
8600 / 8600	DEF AT -----	DEF AT 1
8750 / 8749	DEF AT -----	DEF AT 2
8870 / 8869	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
9019 / 9017	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 3
9020 / 9018	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
9439 / 9432	DEF AT local marker (general)	DEF AT 3
9440 / 9433	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9620 / 9608	DEF AT local marker planktic foram increase	DEF AT 3
9710 / 9693	DEF AT -----	DEF AT 2
9920 / 9889	DEF AT -----	DEF AT 1
10100 /10048	DEF AT -----	DEF AT 2
10130 /10074	DEF AT -----	DEF AT 1
10280 /10204	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
10460 /10358	DEF AT -----	DEF AT 1
10880 /10720	DEF AT -----	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 109	<b>Date of Summary:</b> 16-JAN-2007	<b>First Sample Examined:</b> 5090
<b>Lease Number:</b> G23744	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18202
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17047
<b>API Well Number:</b> 177004126100	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 124
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5090 - 18200	<b>Water Depth:</b> 42
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11240 /11031	DEF AT -----	DEF AT 1
11390 /11160	DEF AT -----	DEF AT 2
11570 /11316	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 2
12350 /12001	DEF AT reworked material	DEF AT 2
12410 /12053	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
12470 /12105	DEF AT -----	DEF AT 2
12530 /12157	DEF AT -----	DEF AT 1
12710 /12311	DEF AT -----	DEF AT 2
12740 /12337	DEF AT -----	DEF AT 1
12890 /12464	DEF AT -----	DEF AT 2
13100 /12643	DEF AT -----	DEF AT 3
13279 /12795	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 4
13280 /12796	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
13310 /12822	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
13370 /12873	DEF AT -----	DEF AT 3
13610 /13078	DEF AT -----	DEF AT 2
14300 /13680	DEF AT -----	DEF AT 3
14330 /13707	DEF AT -----	DEF AT 2
14690 /14032	DEF AT -----	DEF AT 3
14720 /14058	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
14960 /14267	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
15080 /14372	DEF AT -----	DEF AT 3
15290 /14558	DEF AT -----	DEF AT 2
15500 /14746	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 109	<b>Date of Summary:</b> 16-JAN-2007	<b>First Sample Examined:</b> 5090
<b>Lease Number:</b> G23744	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18202
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17047
<b>API Well Number:</b> 177004126100	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 124
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5090 - 18200	<b>Water Depth:</b> 42
<b>Public Info Code:</b> Y 30-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15890 /15094	DEF AT -----	DEF AT 2
16370 /15498	DEF AT -----	DEF AT 3
16730 /15800	DEF AT -----	DEF AT 4
16850 /15901	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
17300 /16278	DEF AT reworked material	DEF AT 4
17780 /16685	DEF AT -----	DEF AT 3
17960 /16839	DEF AT -----	DEF AT 2
18110 /16968	DEF AT -----	DEF AT 3
18200 /17045	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 110	<b>Date of Summary:</b> 02-APR-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00081	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11590
<b>Well Name:</b> 012	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11081
<b>API Well Number:</b> 177004086300	<b>Drilling Operator:</b> MOBIL OIL EXPLORATION & PRODUC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 43
<b>Public Info Code:</b> Y 11-MAR-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8940 / 8935	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9930 / 9832	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
11025 /10670	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 114	<b>Date of Summary:</b> 25-JUL-2002	<b>First Sample Examined:</b> 14010
<b>Lease Number:</b> G17762	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15494
<b>API Well Number:</b> 177004113300	<b>Drilling Operator:</b> EL PASO PRODUCTION COMPANY	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14010 - 15500	<b>Water Depth:</b> 32
<b>Public Info Code:</b> Y 11-MAR-2004	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 /14007	DEF AT first sample examined	DEF AT 3
14579 /14575	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
14580 /14576	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 3
15500 /15494	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 115	Date of Summary: 25-AUG-1997	First Sample Examined: 6500
Lease Number: G16118	Source of Paleo: OPERATOR	Borehole MD: 16062
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12956
API Well Number: 177004096800	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 6500 - 14010	Water Depth: 40
Public Info Code: Y 31-JUL-2001	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 6288	DEF AT first sample examined	DEF AT 2
6501 / 6289	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
8600 / 7726	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
8900 / 7934	DEF AT - - - - -	DEF AT 3
8990 / 7997	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
12020 /10078	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12390 /10347	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13560 /11211	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
13680 /11299	DEF AT - - - - -	DEF AT 3
14010 /11532	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 115	<b>Date of Summary:</b> 25-AUG-1997	<b>First Sample Examined:</b> 12330
<b>Lease Number:</b> G16118	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16062
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12956
<b>API Well Number:</b> 177004096800	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12330 - 16062	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 31-JUL-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Bypass report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12330 /10302	DEF AT first sample examined	DEF AT 3
12390 /10347	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13500 /11166	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
13680 /11299	DEF AT -----	DEF AT 3
16062 /12961	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 128	Date of Summary: 23-APR-2001	First Sample Examined: 0
Lease Number: G21537	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8507
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8507
API Well Number: 177004108300	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 7399	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8170 / 8169	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 129	Date of Summary: 26-APR-2004	First Sample Examined: 7980
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 18103
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18100
API Well Number: 177004118500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 7980 - 18090	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7980	DEF AT first sample examined	DEF AT 2
8040 / 8040	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
8280 / 8280	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
8430 / 8430	DEF AT -----	DEF AT 3
8820 / 8820	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
8970 / 8970	DEF AT -----	DEF AT 2
9810 / 9810	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
12240 /12240	DEF AT -----	DEF AT 3
12450 /12449	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13920 /13919	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13980 /13979	DEF AT -----	DEF AT 4
14550 /14549	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
14579 /14578	DEF AT pyrite	DEF AT 4
14580 /14579	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
15450 /15448	DEF AT local marker foram increase	DEF AT 4
15510 /15508	DEF AT local marker foram decrease	DEF AT 4
16410 /16407	POS AT Lower Miocene (Aquitainian) Siphonina davisii	DEF AT 4
16470 /16467	DEF AT local marker benthic foram increase	DEF AT 4
16620 /16617	DEF AT -----	DEF AT 3
18090 /18087	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 129	<b>Date of Summary:</b> 27-APR-2004	<b>First Sample Examined:</b> 7980
<b>Lease Number:</b> G24711	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18103
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18100
<b>API Well Number:</b> 177004118500	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 7980 - 18090	<b>Water Depth:</b> 39
<b>Public Info Code:</b> Y 30-APR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7980	DEF AT first sample examined	DEF AT
7981 / 7981	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8280 / 8280	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11700 /11700	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
13860 /13859	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
15360 /15359	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18090 /18087	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 129	<b>Date of Summary:</b> 26-APR-2004	<b>First Sample Examined:</b> 14010
<b>Lease Number:</b> G24711	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17902
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17100
<b>API Well Number:</b> 177004118501	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14010 - 17902	<b>Water Depth:</b> 39
<b>Public Info Code:</b> Y 30-APR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 /14009	DEF AT first sample examined	DEF AT 4
14011 /14010	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
16470 /16093	DEF AT faunal change (no faunal increase)	DEF AT 3
17902 /17100	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 129	<b>Date of Summary:</b> 27-APR-2004	<b>First Sample Examined:</b> 14010
<b>Lease Number:</b> G24711	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17902
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 17100
<b>API Well Number:</b> 177004118501	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14010 - 17902	<b>Water Depth:</b> 39
<b>Public Info Code:</b> Y 30-APR-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 /14009	DEF AT first sample examined	DEF AT
15420 /15326	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17902 /17100	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 130	Date of Summary: 08-JUL-2003	First Sample Examined: 7074
Lease Number: G12761	Source of Paleo: OPERATOR	Borehole MD: 16484
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16478
API Well Number: 177004116100	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 104
Paleo Report Num: 1 of 2	Sample Range: 7074 - 16484	Water Depth: 40
Public Info Code: Y 27-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7074 / 7074	DEF AT first sample examined	DEF AT 2
7840 / 7840	DEF AT - - - - -	DEF AT 3
7930 / 7930	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
8290 / 8290	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
8860 / 8860	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9820 / 9819	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10270 /10269	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11890 /11889	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
13540 /13539	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13660 /13659	DEF AT - - - - -	DEF AT 4
16484 /16478	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 130	<b>Date of Summary:</b> 08-JUL-2003	<b>First Sample Examined:</b> 11890
<b>Lease Number:</b> G12761	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16484
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16478
<b>API Well Number:</b> 177004116100	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11890 - 16484	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 27-MAY-2013	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11890 /11889	DEF AT first sample examined	DEF AT
11891 /11890	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
13540 /13539	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
14740 /14737	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
15130 /15127	DEF AT local marker (general)	DEF AT
15910 /15904	DEF AT local marker (general)	DEF AT
16484 /16478	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 130	<b>Date of Summary:</b> 08-JUL-2003	<b>First Sample Examined:</b> 15750
<b>Lease Number:</b> G12761	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16822
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16776
<b>API Well Number:</b> 177004116101	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15750 - 16820	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 20-JUN-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15750 /15745	DEF AT first sample examined	DEF AT 4
15751 /15746	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
16820 /16774	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WC 130	<b>Date of Summary:</b> 08-JUL-2003	<b>First Sample Examined:</b> 15750
<b>Lease Number:</b> G12761	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16822
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16776
<b>API Well Number:</b> 177004116101	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15750 - 16820	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 20-JUN-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15750 /15745	DEF AT first sample examined	DEF AT
15751 /15746	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
15870 /15865	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
16820 /16774	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 130	<b>Date of Summary:</b> 16-MAR-2006	<b>First Sample Examined:</b> 7890
<b>Lease Number:</b> G12761	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16960
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16659
<b>API Well Number:</b> 177004123700	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7890 - 16950	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 19-NOV-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7890 / 7889	DEF AT first sample examined	DEF IN 3
7891 / 7890	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
8278 / 8275	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 3
8279 / 8276	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 3
8280 / 8277	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 3
11609 /11454	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF IN 3
11610 /11455	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF IN 3
12120 /11936	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 3
13800 /13539	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
13920 /13653	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
15090 /14792	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT 4
16950 /16649	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 130	<b>Date of Summary:</b> 27-MAR-2006	<b>First Sample Examined:</b> 17100
<b>Lease Number:</b> G12761	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19365
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19035
<b>API Well Number:</b> 177004123701	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17100 - 19365	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 19-NOV-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17100 /16790	DEF AT first sample examined	DEF AT 4
17101 /16791	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
17102 /16792	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
18000 /17682	POS IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
18240 /17920	POS AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF AT 4
19365 /19036	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 130	<b>Date of Summary:</b> 24-JAN-2007	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G12761	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19072
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18976
<b>API Well Number:</b> 177004125900	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7000 - 19072	<b>Water Depth:</b> 37
<b>Public Info Code:</b> Y 19-NOV-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6999	DEF AT first sample examined	DEF AT 3
7001 / 7000	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
7330 / 7329	DEF AT -----	DEF AT 2
7990 / 7989	DEF AT -----	DEF AT 3
8440 / 8439	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
8530 / 8529	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
9070 / 9069	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9220 / 9219	DEF AT -----	DEF AT 2
9940 / 9938	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
10990 /10988	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 2
11739 /11737	POS AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 2
11740 /11738	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 2
11800 /11798	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 2
11920 /11918	DEF AT -----	DEF AT 3
12670 /12668	POS AT reworked material	DEF AT 3
13389 /13366	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 3
13390 /13367	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13450 /13423	DEF AT -----	DEF AT 4
14140 /14075	DEF AT -----	DEF AT 3
15010 /14927	DEF AT -----	DEF AT 4
16150 /16058	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
17409 /17316	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 130  
 Lease Number: G12761  
 Well Name: 004  
 API Well Number: 177004125900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 19-NOV-2015

Date of Summary: 24-JAN-2007  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC  
 Sample Range: 7000 - 19072  
 Ecozone Eq MMS: Y

First Sample Examined: 7000  
 Borehole MD: 19072  
 Borehole TVD: 18976  
 Rkb Elevation: 111  
 Water Depth: 37  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17410 /17317	DEF AT local marker floral increase	DEF AT 4
18430 /18335	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
19072 /18976	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 130	<b>Date of Summary:</b> 19-MAR-2007	<b>First Sample Examined:</b> 17500
<b>Lease Number:</b> G12761	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21000
<b>Well Name:</b> 004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20899
<b>API Well Number:</b> 177004125901	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 148
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17500 - 21000	<b>Water Depth:</b> 37
<b>Public Info Code:</b> Y 19-NOV-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17500 /17404	DEF AT first sample examined	DEF AT 4
17501 /17405	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
17502 /17406	POS IN Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 4
18340 /18242	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
19180 /19081	DEF AT -----	DEF AT 3
20200 /20100	DEF AT -----	DEF AT 4
20670 /20569	POS AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF AT 4
21000 /20899	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 130	<b>Date of Summary:</b> 26-AUG-1996	<b>First Sample Examined:</b> 7660
<b>Lease Number:</b> G12761	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14800
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14800
<b>API Well Number:</b> 177004094000	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7660 - 14800	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 10-SEP-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7660 / 7660	DEF AT first sample examined	DEF AT 2
7690 / 7690	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7780 / 7780	DEF AT - - - - -	DEF AT 3
8290 / 8289	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
8830 / 8829	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9850 / 9849	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11650 /11649	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13300 /13299	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13540 /13539	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
14800 /14798	DEF AT last sample examined	DEF AT 4



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 132  
 Lease Number: 00251  
 Well Name: 006  
 API Well Number: 177004090300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 15-AUG-2004

Date of Summary: 04-DEC-1996  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: EL PASO PRODUCTION COMPANY  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11430  
 Borehole TVD: 8901  
 Rkb Elevation: 35  
 Water Depth: 84  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4763 / 4750	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
5769 / 5543	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
10094 / 8052	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 132	Date of Summary: 23-JAN-2007	First Sample Examined: 11990
Lease Number: G24712	Source of Paleo: OPERATOR	Borehole MD: 21400
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18851
API Well Number: 177004124900	Drilling Operator: EP ENERGY E&P COMPANY L P	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 11990 - 21400	Water Depth: 36
Public Info Code: Y 18-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 /11988	DEF AT first sample examined	DEF AT 3
11991 /11989	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
12230 /12227	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
12619 /12615	POS AT out-of-place section	DEF AT 4
12620 /12616	POS AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
13400 /13395	POS AT out-of-place section	DEF AT 3
13460 /13455	POS AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 3
13970 /13963	DEF AT -----	DEF AT 4
14090 /14083	DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 4
15350 /15329	DEF AT -----	DEF AT 3
16550 /16270	DEF AT poor sample interval top	DEF AT 3
19610 /18304	DEF AT -----	DEF AT 4
19890 /18490	DEF AT -----	DEF AT 3
21399 /18851	DEF AT poor sample interval bottom	DEF AT 3
21400 /18851	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 132	<b>Date of Summary:</b> 23-JAN-2007	<b>First Sample Examined:</b> 20000
<b>Lease Number:</b> G24712	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22595
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20301
<b>API Well Number:</b> 177004124901	<b>Drilling Operator:</b> EP ENERGY E&P COMPANY L P	<b>Rkb Elevation:</b> 107
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20000 - 22590	<b>Water Depth:</b> 36
<b>Public Info Code:</b> Y 18-APR-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20000 /18561	DEF AT first sample examined	DEF AT 3
20001 /18562	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
22590 /20298	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 132	Date of Summary: 29-JUN-2006	First Sample Examined: 8500
Lease Number: G27003	Source of Paleo: OPERATOR	Borehole MD: 14120
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14100
API Well Number: 177004124500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 8500 - 14120	Water Depth: 42
Public Info Code: Y 18-APR-2013	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8500	DEF AT first sample examined	DEF IN 3
8560 / 8560	POS IN Middle Miocene (Langhian) Amphistegina "B"	DEF IN 3
9160 / 9160	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
9880 / 9879	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
10840 /10839	POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 3
11170 /11168	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 3
11290 /11287	POS AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF IN 3
12040 /12026	DEF AT -----	DEF AT 4
12070 /12055	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
12130 /12114	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
13480 /13460	DEF AT -----	DEF AT 3
14120 /14100	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 4600
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 11396
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11380
API Well Number: 177004124400	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4600 - 11396	Water Depth: 40
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4600 / 4600	DEF AT first sample examined	DEF AT 1
4750 / 4750	DEF AT -----	DEF AT 2
4810 / 4810	DEF AT -----	DEF AT 1
4960 / 4960	DEF AT -----	DEF AT 2
4990 / 4990	DEF AT -----	DEF AT 1
5080 / 5080	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 1
5110 / 5110	DEF AT -----	POS AT 1
5170 / 5170	DEF AT -----	DEF AT 2
5200 / 5200	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 2
5290 / 5290	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 2
5560 / 5560	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5800 / 5800	DEF IN Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 2
5890 / 5890	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 2
5950 / 5950	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 2
6190 / 6190	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 2
6249 / 6249	DEF AT local marker foram increase	DEF AT 2
6250 / 6250	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6580 / 6580	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
6640 / 6640	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
6790 / 6790	DEF AT -----	DEF AT 2
6970 / 6970	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 4600
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 11396
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11380
API Well Number: 177004124400	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4600 - 11396	Water Depth: 40
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 7000	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
7030 / 7030	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
7090 / 7090	DEF AT - - - - -	DEF AT 2
7330 / 7330	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
7390 / 7390	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
7420 / 7420	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 3
7540 / 7540	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
7690 / 7690	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
7750 / 7750	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
7810 / 7810	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 3
8530 / 8530	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
8560 / 8560	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 3
8650 / 8650	DEF AT - - - - -	DEF AT 2
9010 / 9010	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
9190 / 9190	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
9280 / 9280	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 3
9580 / 9580	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9610 / 9610	DEF IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 3
9640 / 9640	DEF AT - - - - -	POS AT 3
9700 / 9700	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
10179 /10178	POS AT out-of-place section	DEF AT 3
10180 /10179	DEF AT Lower Miocene (Burdigalian) Camerina 1	DEF AT 3
10390 /10389	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10510 /10509	DEF AT - - - - -	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 135	<b>Date of Summary:</b> 28-NOV-2006	<b>First Sample Examined:</b> 4600
<b>Lease Number:</b> G23747	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11396
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11380
<b>API Well Number:</b> 177004124400	<b>Drilling Operator:</b> NEXEN PETROLEUM USA INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4600 - 11396	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10990 /10984	DEF AT -----	DEF AT 3
11110 /11102	DEF AT -----	DEF AT 2
11200 /11190	DEF AT local marker benthic foram increase	DEF AT 2
11260 /11249	DEF IN local marker floral increase	DEF AT 2
11396 /11380	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 11400
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 15206
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14300
API Well Number: 177004124401	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11400 - 15206	Water Depth: 42
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 /11391	DEF AT first sample examined	DEF AT 2
11550 /11538	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
11670 /11653	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 3
11760 /11739	DEF AT -----	DEF AT 2
12150 /12091	POS AT local marker benthic foram increase	DEF AT 3
12180 /12117	DEF AT -----	DEF AT 2
12660 /12500	DEF AT -----	DEF AT 1
12870 /12653	DEF AT -----	POS AT 1
12960 /12718	DEF AT -----	DEF AT 1
12990 /12740	DEF AT -----	POS AT 1
13200 /12888	DEF AT -----	DEF AT 1
13230 /12909	DEF AT -----	POS AT 1
13350 /12994	DEF AT -----	DEF AT 1
13380 /13015	DEF AT -----	POS AT 1
13440 /13058	DEF AT -----	DEF AT 1
13530 /13122	DEF AT -----	POS AT 1
13590 /13166	DEF AT -----	DEF AT 2
13620 /13187	POS AT -----	DEF AT 1
13770 /13296	DEF AT -----	DEF AT 2
13890 /13383	DEF AT -----	POS AT 2
13950 /13425	DEF AT -----	DEF AT 1

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 11400
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 15206
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14300
API Well Number: 177004124401	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11400 - 15206	Water Depth: 42
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14040 /13488	DEF AT -----	DEF AT 2
14310 /13675	DEF AT -----	POS AT 2
14400 /13737	DEF AT -----	DEF AT 1
14430 /13758	DEF AT -----	POS AT 1
14500 /13807	DEF AT -----	DEF AT 1
14560 /13849	DEF AT -----	POS AT 1
14710 /13954	DEF AT -----	DEF AT 2
14740 /13975	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 2
14799 /14015	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 4
14800 /14016	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
14890 /14078	DEF AT -----	DEF AT 3
15160 /14267	DEF AT -----	DEF AT 4
15206 /14299	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 11200
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 17732
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 177004124402	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11200 - 17730	Water Depth: 42
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11200 /11194	DEF AT first sample examined	POS AT 2
11230 /11223	DEF AT -----	DEF AT 2
11260 /11253	DEF AT -----	POS AT 2
11590 /11578	DEF AT -----	DEF AT 2
11680 /11666	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 3
11710 /11695	DEF AT -----	DEF AT 2
11860 /11841	DEF AT reworked material	DEF AT 2
12670 /12597	DEF AT -----	POS AT 2
12820 /12735	DEF AT -----	DEF AT 2
12849 /12762	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
12850 /12762	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
13000 /12901	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 4
13570 /13427	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
14226 /14040	DEF AT cement	DEF AT 3
14490 /14292	DEF AT -----	DEF AT 2
14820 /14610	DEF AT -----	DEF AT 3
14970 /14755	DEF AT -----	DEF AT 4
15330 /15107	DEF AT -----	DEF AT 3
15720 /15494	DEF AT -----	DEF AT 4
15780 /15553	DEF AT -----	DEF AT 3
15870 /15643	DEF AT -----	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 11200
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 17732
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 177004124402	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11200 - 17730	Water Depth: 42
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15960 /15733	DEF AT -----	POS AT 2
16020 /15793	DEF AT -----	DEF AT 2
16290 /16062	DEF AT -----	DEF AT 1
16320 /16092	DEF AT -----	POS AT 1
16440 /16212	DEF AT -----	DEF AT 1
16470 /16242	DEF AT -----	POS AT 1
16950 /16721	DEF AT -----	DEF AT 2
17010 /16780	POS IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
17100 /16870	DEF AT -----	DEF AT 4
17129 /16899	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
17130 /16900	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
17160 /16930	DEF AT reworked material	DEF AT 4
17400 /17169	DEF AT -----	DEF AT 3
17610 /17378	DEF AT -----	DEF AT 4
17730 /17498	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 144	<b>Date of Summary:</b> 10-DEC-1997	<b>First Sample Examined:</b> 9723
<b>Lease Number:</b> G01953	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10218
<b>Well Name:</b> 012	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 9243
<b>API Well Number:</b> 177004098200	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9723 - 10215	<b>Water Depth:</b> 46
<b>Public Info Code:</b> Y 01-MAR-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9723 /	DEF AT first sample examined	DEF AT
9724 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10035 /	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
10215 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 144	<b>Date of Summary:</b> 12-DEC-1997	<b>First Sample Examined:</b> 9661
<b>Lease Number:</b> G01953	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10218
<b>Well Name:</b> 012	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 9243
<b>API Well Number:</b> 177004098200	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9661 - 10245	<b>Water Depth:</b> 46
<b>Public Info Code:</b> Y 01-MAR-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9661 /	DEF AT first sample examined	DEF AT 2
9662 /	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
9851 /	DEF AT local marker foram increase	DEF IN 2
9945 /	DEF AT local marker foram increase	DEF AT 2
10215 /	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 2
10245 /	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 147	<b>Date of Summary:</b> 13-MAY-2005	<b>First Sample Examined:</b> 11800
<b>Lease Number:</b> G22518	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16777
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16774
<b>API Well Number:</b> 177004122300	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11800 - 16750	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11800 /11799	DEF AT first sample examined	DEF AT 3
11801 /11800	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16750 /16747	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 148	<b>Date of Summary:</b> 15-AUG-2001	<b>First Sample Examined:</b> 14420
<b>Lease Number:</b> G16121	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15995
<b>API Well Number:</b> 177004110300	<b>Drilling Operator:</b> NEXEN PETROLEUM OFFSHORE USA INC	<b>Rkb Elevation:</b> 113
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 14420 - 16040	<b>Water Depth:</b> 35
<b>Public Info Code:</b> Y 12-SEP-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14420 /14417	DEF AT first sample examined	DEF AT 3
15560 /15556	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
15860 /15855	DEF AT -----	DEF AT 4
16040 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 148	<b>Date of Summary:</b> 20-AUG-2001	<b>First Sample Examined:</b> 16010
<b>Lease Number:</b> G16121	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15995
<b>API Well Number:</b> 177004110300	<b>Drilling Operator:</b> NEXEN PETROLEUM OFFSHORE USA INC	<b>Rkb Elevation:</b> 113
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 14420 - 15920	<b>Water Depth:</b> 35
<b>Public Info Code:</b> Y 12-SEP-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14420 /14417	DEF AT first sample examined	DEF AT
15920 /15915	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
16010 /	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 149	<b>Date of Summary:</b> 28-OCT-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00253	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11960
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11948
<b>API Well Number:</b> 177004085900	<b>Drilling Operator:</b> MURPHY OIL USA INC	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 38
<b>Public Info Code:</b> Y 04-NOV-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4725 / 4725	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5379 / 5379	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7657 / 7656	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8043 / 8042	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT
9166 / 9163	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9384 / 9381	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10195 / 10191	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 153	Date of Summary: 08-DEC-2003	First Sample Examined: 8000
Lease Number: G10549	Source of Paleo: OPERATOR	Borehole MD: 16364
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16362
API Well Number: 177004117500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 8000 - 16365	Water Depth: 43
Public Info Code: Y 05-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 2
8100 / 8099	DEF AT - - - -	DEF AT 3
8160 / 8159	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
8760 / 8759	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
8879 / 8878	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 3
8880 / 8879	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
9000 / 8998	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
9240 / 9238	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9480 / 9478	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 2
10200 /10198	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
11400 /11398	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
11460 /11458	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
12690 /12688	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
13830 /13828	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
14430 /14428	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
14580 /14578	DEF AT local marker benthic foram increase	DEF AT 3
15720 /15718	POS AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 3
16080 /16078	DEF AT local marker planktic foram increase	DEF AT 4
16365 /	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 153	<b>Date of Summary:</b> 08-DEC-2003	<b>First Sample Examined:</b> 8000
<b>Lease Number:</b> G10549	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16364
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16362
<b>API Well Number:</b> 177004117500	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8000 - 16365	<b>Water Depth:</b> 43
<b>Public Info Code:</b> Y 05-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT
8160 / 8159	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8760 / 8759	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
8880 / 8879	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
12690 /12688	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
13860 /13858	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
14520 /14518	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
16365 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 153	<b>Date of Summary:</b> 08-DEC-2003	<b>First Sample Examined:</b> 13587
<b>Lease Number:</b> G10549	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16767
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16200
<b>API Well Number:</b> 177004117501	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13587 - 16767	<b>Water Depth:</b> 43
<b>Public Info Code:</b> Y 05-AUG-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13587 /13585	DEF AT first sample examined	DEF AT 3
13588 /13586	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
13830 /13827	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
14610 /14533	DEF AT local marker foram decrease	DEF AT 3
14910 /14770	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
14939 /14792	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 3
14940 /14793	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 3
16710 /16156	DEF AT faunal change (no faunal increase)	DEF AT 4
16767 /16200	DEF AT last sample examined	DEF AT 4

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<b>Area Block:</b> WC 153	<b>Date of Summary:</b> 08-DEC-2003	<b>First Sample Examined:</b> 13587
<b>Lease Number:</b> G10549	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16767
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16200
<b>API Well Number:</b> 177004117501	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13587 - 16770	<b>Water Depth:</b> 43
<b>Public Info Code:</b> Y 05-AUG-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13587 /13585	DEF AT first sample examined	DEF AT
13800 /13797	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
14670 /14582	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
16680 /16132	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
16770 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 157	Date of Summary: 27-MAR-1998	First Sample Examined: 4500
Lease Number: G17779	Source of Paleo: OPERATOR	Borehole MD: 15073
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14409
API Well Number: 177014030000	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 4500 - 15073	Water Depth: 39
Public Info Code: Y 30-JUN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 2
4501 / 4501	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
4830 / 4830	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5220 / 5220	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6210 / 6210	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6300 / 6300	DEF AT faunal change (no faunal increase)	DEF AT 3
7440 / 7439	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
8280 / 8279	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
8460 / 8459	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9240 / 9239	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10230 /10228	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
12120 /12013	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13350 /13065	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
14130 /13674	DEF AT faunal change (no faunal increase)	DEF AT 4
15073 /14409	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 157	<b>Date of Summary:</b> 27-MAR-1998	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G17779	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15073
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14409
<b>API Well Number:</b> 177014030000	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4500 - 15073	<b>Water Depth:</b> 39
<b>Public Info Code:</b> Y 30-JUN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT
4830 / 4830	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
5820 / 5820	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
6870 / 6870	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
7770 / 7769	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11370 /11339	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
13410 /13114	POS AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
15073 /14409	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 161	<b>Date of Summary:</b> 13-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21053	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12650
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11256
<b>API Well Number:</b> 177014031600	<b>Drilling Operator:</b> STONE ENERGY LLC	<b>Rkb Elevation:</b> 148
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 46
<b>Public Info Code:</b> Y 30-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9398 / 9133	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
11360 /10434	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 161	<b>Date of Summary:</b> 13-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21053	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14228
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12152
<b>API Well Number:</b> 177014031601	<b>Drilling Operator:</b> STONE ENERGY LLC	<b>Rkb Elevation:</b> 148
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 46
<b>Public Info Code:</b> Y 30-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13447 /11710	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 163	<b>Date of Summary:</b> 28-FEB-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05299	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14225
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12309
<b>API Well Number:</b> 177014027600	<b>Drilling Operator:</b> PG&E RESOURCES OFFSHORE CO	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 43
<b>Public Info Code:</b> Y 31-AUG-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7925 / 7665	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10600 / 9412	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11600 / 10049	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 164	Date of Summary: 10-JUL-2000	First Sample Examined: 0
Lease Number: G15075	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10983
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10285
API Well Number: 177014031300	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 45
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 05-JUN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9140 / 8992	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
10705 /10086	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 164	<b>Date of Summary:</b> 09-JAN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15075	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9802
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9801
<b>API Well Number:</b> 177014032600	<b>Drilling Operator:</b> TDC ENERGY CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 05-JUN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8313 / 8313	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9671 / 9670	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

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End Date: 01-DEC-2016

<b>Area Block:</b> WC 165	<b>Date of Summary:</b> 29-AUG-1991	<b>First Sample Examined:</b> 9600
<b>Lease Number:</b> 00758	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13400
<b>Well Name:</b> 014	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13399
<b>API Well Number:</b> 177004082700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4525 - 13400	<b>Water Depth:</b> 46
<b>Public Info Code:</b> Y 24-JAN-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9600 / 9599	DEF AT first sample examined	DEF AT 1
9990 / 9989	DEF AT -----	DEF AT 3
10120 /10119	DEF AT -----	DEF AT 2
10200 /10199	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
11070 /11069	DEF AT -----	DEF AT 1
11310 /11309	DEF AT -----	DEF AT 2
11610 /11609	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
12000 /11999	DEF AT -----	DEF AT 1
13400 /13399	DEF AT last sample examined	DEF AT 1

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 165	Date of Summary: 28-FEB-2005	First Sample Examined: 4020
Lease Number: 00758	Source of Paleo: OPERATOR	Borehole MD: 12720
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12333
API Well Number: 177004121100	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 123
Paleo Report Num: 1 of 2	Sample Range: 4020 - 12720	Water Depth: 47
Public Info Code: Y 16-FEB-2015	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4020 / 4019	DEF AT first sample examined	DEF AT 2
4890 / 4889	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6060 / 6059	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
6390 / 6389	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6630 / 6629	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6720 / 6719	DEF AT - - - - -	DEF AT 3
7290 / 7289	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
7500 / 7499	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
7710 / 7709	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
7740 / 7739	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
8250 / 8244	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
9060 / 9008	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
9930 / 9816	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
10500 /10349	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
11550 /11288	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12090 /11767	DEF AT - - - - -	DEF AT 2
12660 /12279	DEF AT sample gap top	POS AT 2
12719 /12333	DEF AT sample gap bottom	DEF AT 2
12720 /12333	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 165	<b>Date of Summary:</b> 28-FEB-2005	<b>First Sample Examined:</b> 9990
<b>Lease Number:</b> 00758	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12720
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12333
<b>API Well Number:</b> 177004121100	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 123
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4020 - 12720	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 16-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9872	DEF AT first sample examined	DEF AT
9991 / 9873	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
10350 /10209	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
12660 /12279	DEF AT sample gap top	DEF AT
12719 /12333	DEF AT sample gap bottom	DEF AT
12720 /12333	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 165	<b>Date of Summary:</b> 28-FEB-2005	<b>First Sample Examined:</b> 11940
<b>Lease Number:</b> 00758	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13996
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13451
<b>API Well Number:</b> 177004121101	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 123
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11940 - 13996	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 13-MAR-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11940 /11633	DEF AT first sample examined	DEF AT 3
11941 /11634	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12120 /11792	DEF AT - - - - -	DEF AT 2
13996 /13451	DEF AT last sample examined	DEF AT 2



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<b>Area Block:</b> WC 165	<b>Date of Summary:</b> 28-FEB-2005	<b>First Sample Examined:</b> 11940
<b>Lease Number:</b> 00758	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13996
<b>Well Name:</b> A007	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13451
<b>API Well Number:</b> 177004121101	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 123
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11940 - 13996	<b>Water Depth:</b> 47
<b>Public Info Code:</b> Y 13-MAR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11940 /11633	DEF AT first sample examined	DEF AT
13980 /13437	POS AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
13996 /13451	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

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<b>Area Block:</b> WC 170	<b>Date of Summary:</b> 06-DEC-2004	<b>First Sample Examined:</b> 8410
<b>Lease Number:</b> G04085	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14721
<b>Well Name:</b> 008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13926
<b>API Well Number:</b> 177004120000	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8410 - 14721	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 18-SEP-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8410 / 8410	DEF AT first sample examined	DEF AT 2
8411 / 8411	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
8620 / 8620	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 2
8680 / 8680	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 2
8710 / 8710	DEF AT - - - - -	DEF AT 3
8770 / 8770	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
9280 / 9280	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
9310 / 9310	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
9910 / 9910	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
11350 /11350	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
11710 /11709	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
11770 /11769	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14721 /13927	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 170	Date of Summary: 06-DEC-2004	First Sample Examined: 8410
Lease Number: G04085	Source of Paleo: OPERATOR	Borehole MD: 14721
Well Name: 008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13926
API Well Number: 177004120000	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 8410 - 14721	Water Depth: 45
Public Info Code: Y 18-SEP-2014	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8410 / 8410	DEF AT first sample examined	DEF AT
8560 / 8560	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9070 / 9070	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
9370 / 9370	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10630 /10630	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11379 /11379	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
11380 /11380	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11740 /11739	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
14560 /13862	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
14721 /13927	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 170	<b>Date of Summary:</b> 06-DEC-2004	<b>First Sample Examined:</b> 12807
<b>Lease Number:</b> G04085	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16295
<b>Well Name:</b> 008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14483
<b>API Well Number:</b> 177004120001	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12807 - 16295	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 29-OCT-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12807 /12764	DEF AT first sample examined	DEF AT 3
12808 /12765	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16295 /14483	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 170	<b>Date of Summary:</b> 06-DEC-2004	<b>First Sample Examined:</b> 12807
<b>Lease Number:</b> G04085	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16295
<b>Well Name:</b> 008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14483
<b>API Well Number:</b> 177004120001	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12807 - 16295	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 29-OCT-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12807 /12764	DEF AT first sample examined	DEF AT
14590 /13849	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
16295 /14483	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 170	<b>Date of Summary:</b> 06-DEC-2004	<b>First Sample Examined:</b> 13960
<b>Lease Number:</b> G04085	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17100
<b>Well Name:</b> 008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14798
<b>API Well Number:</b> 177004120002	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 13960 - 17100	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 26-NOV-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13960 /13584	DEF AT first sample examined	DEF AT 3
13961 /13584	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
17100 /14798	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 170	<b>Date of Summary:</b> 06-DEC-2004	<b>First Sample Examined:</b> 13960
<b>Lease Number:</b> G04085	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17100
<b>Well Name:</b> 008	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14798
<b>API Well Number:</b> 177004120002	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13960 - 17100	<b>Water Depth:</b> 45
<b>Public Info Code:</b> Y 26-NOV-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13960 /13584	DEF AT first sample examined	DEF AT
14530 /13845	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
17100 /14798	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 170  
Lease Number: G04085  
Well Name: A006  
API Well Number: 177004104702  
Paleo Report Num: 1 of 1  
Public Info Code: Y 10-AUG-2010

Date of Summary: 03-AUG-2000  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC  
Sample Range: 14640 - 17125  
Ecozone Eq MMS: Y

First Sample Examined: 14640  
Borehole MD: 17125  
Borehole TVD: 16083  
Rkb Elevation: 106  
Water Depth: 36  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14640 /14185	DEF AT first sample examined	DEF AT 3
14641 /14186	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16200 /15392	DEF AT sample gap top	DEF AT 3
16560 /15660	DEF AT sample gap bottom	DEF AT 3
17125 /16083	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 170  
Lease Number: G04085  
Well Name: B001  
API Well Number: 177004098000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 26-FEB-2008

Date of Summary: 27-AUG-1998  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC  
Sample Range: 9500 - 14549  
Ecozone Eq MMS: Y

First Sample Examined: 9500  
Borehole MD: 14549  
Borehole TVD: 14271  
Rkb Elevation: 95  
Water Depth: 34  
Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 9499	DEF AT first sample examined	DEF AT 3
9501 / 9500	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
10200 /10199	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
11844 /11843	DEF AT sample gap top	POS AT 3
12000 /11999	DEF AT sample gap bottom	DEF AT 3
12470 /12467	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
12680 /12672	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
12830 /12816	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
14549 /14276	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 170  
 Lease Number: G04085  
 Well Name: B001  
 API Well Number: 177004098002  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 24-MAY-2008

Date of Summary: 27-AUG-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC  
 Sample Range: 13350 - 15810  
 Ecozone Eq MMS: Y

First Sample Examined: 13350  
 Borehole MD: 15813  
 Borehole TVD: 15320  
 Rkb Elevation: 95  
 Water Depth: 34  
 Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13350 /13291	DEF AT first sample examined	DEF AT 3
14585 /14305	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
15810 /15439	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 170  
 Lease Number: G04085  
 Well Name: C001  
 API Well Number: 177004106200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 01-OCT-2010

Date of Summary: 02-OCT-2000  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC  
 Sample Range: 14390 - 15850  
 Ecozone Eq MMS: Y

First Sample Examined: 14390  
 Borehole MD: 15880  
 Borehole TVD: 15600  
 Rkb Elevation: 113  
 Water Depth: 33  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14390 /14368	DEF AT first sample examined	DEF AT 3
14391 /14369	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
15400 /15218	DEF AT sample gap top	POS AT 3
15670 /15433	DEF AT sample gap bottom	DEF AT 3
15850 /15576	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 172  
 Lease Number: G01998  
 Well Name: 016  
 API Well Number: 177004098400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 28-FEB-2008

Date of Summary: 24-FEB-1998  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: IP PETROLEUM COMPANY INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 9050  
 Borehole TVD: 7554  
 Rkb Elevation: 102  
 Water Depth: 49  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 5983	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7330 / 6241	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8290 / 6969	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8705 / 7287	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 172  
Lease Number: G01998  
Well Name: E001  
API Well Number: 177004101600  
Paleo Report Num: 1 of 1  
Public Info Code: Y 05-FEB-2009

Date of Summary: 16-MAR-1999  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: IP PETROLEUM COMPANY INC  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 10493  
Borehole TVD: 10471  
Rkb Elevation: 102  
Water Depth: 49  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6030	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
6280 / 6280	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6895 / 6894	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7350 / 7345	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8585 / 8565	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9500 / 9479	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 174	Date of Summary: 31-JUL-1998	First Sample Examined: 0
Lease Number: G17766	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14320
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13515
API Well Number: 177004099200	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 47
Public Info Code: Y 30-JUN-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5954 / 5954	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT
6290 / 6290	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7237 / 7236	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
7844 / 7843	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8508 / 8507	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8990 / 8989	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9907 / 9905	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11310 / 11294	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11988 / 11894	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 175	<b>Date of Summary:</b> 06-OCT-2003	<b>First Sample Examined:</b> 10000
<b>Lease Number:</b> G21538	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15300
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15280
<b>API Well Number:</b> 177004116800	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10000 - 15300	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 30-JUN-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 /10000	DEF AT first sample examined	DEF AT 3
10090 /10090	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
11230 /11230	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
11620 /11620	DEF AT local marker planktic foram increase	DEF AT 3
11650 /11650	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
11980 /11980	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
12730 /12729	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14680 /14671	DEF AT -----	DEF AT 4
15300 /15280	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 181	Date of Summary: 18-AUG-1997	First Sample Examined: 12250
Lease Number: G01971	Source of Paleo: OPERATOR	Borehole MD: 15021
Well Name: CE012	Paleo Done By: OPERATOR	Borehole TVD: 15017
API Well Number: 177004094200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 12250 - 15021	Water Depth: 51
Public Info Code: Y 06-SEP-2003	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12250 /12247	DEF AT first sample examined	DEF AT
12790 /12787	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
13060 /13057	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
14050 /14046	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
15021 /15017	DEF AT last sample examined	DEF AT



*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 182	<b>Date of Summary:</b> 14-NOV-1996	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G15062	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15650
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13944
<b>API Well Number:</b> 177004093600	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 167
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 4000 - 12190	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 28-OCT-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT 2
5950 / 5942	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6580 / 6572	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
7480 / 7471	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
7960 / 7951	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
8530 / 8521	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9340 / 9331	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
9820 / 9798	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
10120 /10079	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
12100 /11679	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
12947 /12213	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 182	<b>Date of Summary:</b> 14-NOV-1996	<b>First Sample Examined:</b> 12120
<b>Lease Number:</b> G15062	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15650
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13944
<b>API Well Number:</b> 177004093600	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 167
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 12120 - 12947	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 28-OCT-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Sidetrack 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12120 /11692	DEF AT first sample examined	DEF AT 3
12180 /11730	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
12947 /12213	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 182	<b>Date of Summary:</b> 14-DEC-1996	<b>First Sample Examined:</b> 12930
<b>Lease Number:</b> G15062	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15650
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13944
<b>API Well Number:</b> 177004093600	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 167
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 12930 - 14880	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 28-OCT-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Sidetrack 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12930 /12203	DEF AT first sample examined	DEF AT 3
14880 /13468	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
15650 /13944	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 195  
 Lease Number: G16123  
 Well Name: 001  
 API Well Number: 177004096700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-JUL-2005

Date of Summary: 19-AUG-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: IP PETROLEUM COMPANY INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 12025  
 Borehole TVD: 12020  
 Rkb Elevation: 102  
 Water Depth: 58  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8505 / 8504	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11220 /11219	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
11950 /11947	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 195  
 Lease Number: G16123  
 Well Name: 002  
 API Well Number: 177004097200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-JUL-2005

Date of Summary: 19-AUG-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: IP PETROLEUM COMPANY INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11675  
 Borehole TVD: 10852  
 Rkb Elevation: 102  
 Water Depth: 58  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8860 / 8466	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11115 /10334	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 196	<b>Date of Summary:</b> 15-APR-1991	<b>First Sample Examined:</b> 9220
<b>Lease Number:</b> G05292	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15600
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15598
<b>API Well Number:</b> 177004082400	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9220 - 15600	<b>Water Depth:</b> 57
<b>Public Info Code:</b> Y 11-NOV-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9220 / 9220	DEF AT first sample examined	DEF AT 3
9221 / 9221	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
9850 / 9850	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
11320 /11319	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
11560 /11559	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
12040 /12039	DEF AT -----	DEF AT 4
12220 /12219	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13300 /13299	DEF AT -----	DEF AT 3
13390 /13389	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
13600 /13599	DEF AT -----	DEF AT 4
15310 /15308	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
15340 /15338	DEF AT -----	DEF AT 3
15600 /15598	DEF AT last sample examined	DEF AT 3

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 198	<b>Date of Summary:</b> 07-DEC-2001	<b>First Sample Examined:</b> 13000
<b>Lease Number:</b> G03265	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16375
<b>Well Name:</b> A005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15036
<b>API Well Number:</b> 177004110500	<b>Drilling Operator:</b> WESTPORT RESOURCES CORPORATION	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 13000 - 16375	<b>Water Depth:</b> 56
<b>Public Info Code:</b> Y 01-OCT-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13000 /12284	DEF AT first sample examined	DEF AT 3
13001 /12285	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
14260 /13337	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
16375 /15036	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 198	Date of Summary: 03-FEB-1994	First Sample Examined: 13220
Lease Number: G03265	Source of Paleo: OPERATOR	Borehole MD: 17189
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 16543
API Well Number: 177004088200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 13220 - 17190	Water Depth: 55
Public Info Code: Y 12-JAN-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13220 /12948	DEF AT first sample examined	DEF AT 2
13250 /12975	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 2
13400 /13110	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 2
14510 /14024	DEF AT - - - - -	DEF AT 3
14600 /14103	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 3
14870 /14345	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
15290 /14727	DEF AT - - - - -	DEF AT 2
15530 /14951	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 2
17190 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 199	Date of Summary: 05-JAN-1996	First Sample Examined: 11000
Lease Number: G14319	Source of Paleo: OPERATOR	Borehole MD: 16176
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 16101
API Well Number: 177004092100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 11000 - 16160	Water Depth: 54
Public Info Code: Y 25-AUG-2001	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10999	DEF AT first sample examined	DEF AT 2
14090 /14076	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 2
14900 /14863	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
15200 /15154	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
15230 /15183	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16160 /16085	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 201	<b>Date of Summary:</b> 24-AUG-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13833	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17650
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17645
<b>API Well Number:</b> 177004105800	<b>Drilling Operator:</b> PIONEER NATURAL RESOURCES USA INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 58
<b>Public Info Code:</b> Y 19-DEC-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6850 / 6850	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9650 / 9650	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
16080 /16077	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 201	Date of Summary: 01-JUN-2002	First Sample Examined: 4500
Lease Number: G22523	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19500
API Well Number: 177004112800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 4500 - 19500	Water Depth: 58
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleo done by Rachel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 1
5040 / 5040	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
6600 / 6600	DEF AT -----	DEF AT 2
7080 / 7080	DEF AT -----	DEF IN 2
7140 / 7140	DEF AT -----	DEF AT 1
7680 / 7680	DEF AT -----	DEF IN 2
7770 / 7770	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
7860 / 7860	DEF AT -----	DEF AT 3
7920 / 7920	DEF AT -----	DEF AT 2
8100 / 8100	DEF AT -----	DEF IN 2
8790 / 8790	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
8940 / 8940	DEF AT -----	DEF AT 2
9930 / 9930	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
10050 /10050	DEF AT -----	DEF AT 1
10440 /10439	DEF AT -----	DEF IN 2
10860 /10859	DEF AT Eggerella sp. (local marker)	DEF AT 3
10980 /10979	DEF AT local marker benthic foram increase	DEF AT 3
11040 /11039	DEF AT -----	DEF IN 2
11130 /11129	DEF AT -----	DEF AT 3
11250 /11249	DEF AT foram flood	DEF AT 3
11370 /11369	DEF AT -----	DEF IN 3
11520 /11519	DEF AT -----	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 201	Date of Summary: 01-JUN-2002	First Sample Examined: 4500
Lease Number: G22523	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19500
API Well Number: 177004112800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 4500 - 19500	Water Depth: 58
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11610 /11609	DEF AT - - - - -	DEF AT 3
11700 /11699	DEF AT foram flood	DEF AT 3
11940 /11939	DEF AT foram flood	DEF IN 3
12390 /12389	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
12510 /12509	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 3
12630 /12629	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12660 /12659	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
12840 /12839	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12870 /12869	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13260 /13259	DEF AT - - - - -	DEF AT 2
13350 /13349	DEF AT - - - - -	DEF AT 3
13530 /13529	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
14040 /14039	DEF AT local marker planktic foram increase	DEF AT 3
14280 /14279	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
14880 /14879	DEF AT - - - - -	DEF AT 3
15210 /15209	DEF AT Eggerella sp. (local marker)	DEF AT 3
15540 /15539	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
15810 /15809	DEF AT local marker deep water fauna	DEF AT 3
15840 /15839	DEF AT local marker benthic foram increase	DEF AT 4
16480 /16478	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
16500 /16498	DEF AT local marker benthic foram increase	DEF AT 4
16590 /16588	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
17040 /17038	DEF AT - - - - -	DEF AT 3
17640 /17638	DEF AT Arenaceous fauna (local marker)	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 201	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G22523	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19500
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19500
<b>API Well Number:</b> 177004112800	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4500 - 19500	<b>Water Depth:</b> 58
<b>Public Info Code:</b> Y 30-JUN-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17880 /17878	DEF AT -----	DEF AT 4
17970 /17968	DEF AT -----	DEF AT 3
18330 /18327	DEF AT -----	DEF AT 4
18540 /18537	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
18960 /18956	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19500 /19495	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 202	Date of Summary: 05-MAY-2006	First Sample Examined: 10800
Lease Number: G24718	Source of Paleo: OPERATOR	Borehole MD: 15540
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15357
API Well Number: 177004124200	Drilling Operator: TANA EXPLORATION COMPANY LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 10800 - 15780	Water Depth: 59
Public Info Code: Y 28-MAY-2012	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10800 /10800	DEF AT first sample examined	DEF AT 3
10801 /10801	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
11310 /11310	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
11340 /11340	DEF AT - - - - -	DEF AT 4
11850 /11850	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
12270 /12270	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
12450 /12450	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12540 /12540	DEF AT - - - - -	DEF AT 3
13200 /13200	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
15540 /15357	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 202	<b>Date of Summary:</b> 05-MAY-2006	<b>First Sample Examined:</b> 14663
<b>Lease Number:</b> G24718	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15788
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15500
<b>API Well Number:</b> 177004124201	<b>Drilling Operator:</b> TANA EXPLORATION COMPANY LLC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14663 - 15780	<b>Water Depth:</b> 59
<b>Public Info Code:</b> Y 28-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14663 /14645	DEF AT first sample examined	DEF AT 3
15720 /15455	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
15780 /15495	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 202	<b>Date of Summary:</b> 30-MAY-2006	<b>First Sample Examined:</b> 15000
<b>Lease Number:</b> G24718	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15876
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15810
<b>API Well Number:</b> 177004124202	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15000 - 15870	<b>Water Depth:</b> 59
<b>Public Info Code:</b> Y 28-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 /14993	DEF AT first sample examined	DEF AT 3
15001 /14994	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
15600 /15560	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
15870 /15805	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 204	Date of Summary: 09-SEP-1998	First Sample Examined: 0
Lease Number: G15066	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10439
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10400
API Well Number: 177004100500	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 56
Public Info Code: Y 12-APR-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5328 / 5290	DEF AT Upper (Late) Miocene	DEF AT
10052 /10014	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 206	Date of Summary: 24-NOV-1997	First Sample Examined: 0
Lease Number: G03496	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14900
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14900
API Well Number: 177004095700	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 27-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11280 /11279	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11460 /11459	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 206	<b>Date of Summary:</b> 05-JAN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03496	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13135
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11672
<b>API Well Number:</b> 177004097501	<b>Drilling Operator:</b> DEVON SFS OPERATING INC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 58
<b>Public Info Code:</b> Y 16-DEC-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5400 / 5388	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
7120 / 6849	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9640 / 8897	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12100 /10872	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12914 /11554	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 207	Date of Summary: 28-JUL-2009	First Sample Examined: 12230
Lease Number: G31288	Source of Paleo: OPERATOR	Borehole MD: 20766
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20761
API Well Number: 177004129500	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 12230 - 20750	Water Depth: 51
Public Info Code: Y 22-MAY-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12230 /12229	DEF AT first sample examined	DEF AT 3
12231 /12230	DEF IN Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
12380 /12379	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
12500 /12499	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
12530 /12529	POS AT maximum flooding surface	DEF AT 3
13280 /13279	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
13459 /13458	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
13460 /13459	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
13500 /13499	POS AT maximum flooding surface	DEF AT 3
14059 /14058	POS AT maximum flooding surface	DEF AT 3
14060 /14059	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
14360 /14359	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
14390 /14389	POS AT maximum flooding surface	DEF AT 3
15770 /15768	POS IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
15880 /15878	POS AT maximum flooding surface	DEF AT 3
15890 /15888	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
16360 /16358	POS AT maximum flooding surface	DEF AT 3
16370 /16368	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
16640 /16638	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 3
17520 /17518	POS AT maximum flooding surface	DEF AT 3
17540 /17538	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
17690 /17688	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 207	<b>Date of Summary:</b> 28-JUL-2009	<b>First Sample Examined:</b> 12230
<b>Lease Number:</b> G31288	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20766
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 20761
<b>API Well Number:</b> 177004129500	<b>Drilling Operator:</b> MARINER ENERGY INC	<b>Rkb Elevation:</b> 103
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12230 - 20750	<b>Water Depth:</b> 51
<b>Public Info Code:</b> Y 22-MAY-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17780 /17778	POS AT maximum flooding surface	DEF AT 3
17810 /17808	DEF AT -----	DEF AT 4
18260 /18258	DEF AT -----	DEF AT 3
18349 /18347	DEF IN Lower Miocene (Burdigalian) Camerina 1	DEF AT 3
18350 /18348	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
19140 /19138	POS AT maximum flooding surface	DEF AT 3
19880 /19877	POS AT maximum flooding surface	DEF AT 3
20750 /20745	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 222	Date of Summary: 12-JAN-1994	First Sample Examined: 0
Lease Number: G03269	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6202
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 6201
API Well Number: 177004088400	Drilling Operator: UMC PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 09-JAN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5999	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 229	<b>Date of Summary:</b> 25-APR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19708	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13929
<b>Well Name:</b> C001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13928
<b>API Well Number:</b> 177004108500	<b>Drilling Operator:</b> APEX OIL & GAS INC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 66
<b>Public Info Code:</b> Y 13-SEP-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5800 / 5800	DEF AT Pliocene	DEF AT
6420 / 6420	POS IN Upper Miocene (Tortonian) Textularia 6	DEF AT
12410 /12409	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 247	Date of Summary: 09-OCT-2003	First Sample Examined: 800
Lease Number: G22533	Source of Paleo: OPERATOR	Borehole MD: 4600
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 4600
API Well Number: 177004117700	Drilling Operator: J M HUBER CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 800 - 4600	Water Depth: 80
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Paleobathymetry is brackish to marginal marine from 950 to 3519, and from 4090 to 4239

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
800 / 800	DEF AT first sample examined	DEF AT 1
801 / 801	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 1
3520 / 3520	DEF AT non-marine sediment	DEF AT 0
4240 / 4240	DEF AT local marker foram increase	DEF AT 1
4420 / 4420	DEF AT - - - - -	DEF IN 1
4540 / 4540	POS IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 1
4570 / 4570	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
4600 / 4600	DEF AT last sample examined	DEF AT 1



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 248	<b>Date of Summary:</b> 09-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09408	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6392
<b>Well Name:</b> 004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5840
<b>API Well Number:</b> 177004104500	<b>Drilling Operator:</b> J M HUBER CORPORATION	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 77
<b>Public Info Code:</b> Y 23-FEB-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6240 / 5737	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 248  
 Lease Number: G09408  
 Well Name: A004  
 API Well Number: 177004077502  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 13-MAY-2010

Date of Summary: 18-APR-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: J M HUBER CORPORATION  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11010  
 Borehole TVD: 5954  
 Rkb Elevation: 127  
 Water Depth: 80  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10554 / 5743	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 248	<b>Date of Summary:</b> 12-MAY-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G09408	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9161
<b>Well Name:</b> A011	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6020
<b>API Well Number:</b> 177004105400	<b>Drilling Operator:</b> J M HUBER CORPORATION	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 80
<b>Public Info Code:</b> Y 02-MAY-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8735 / 5767	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 263	<b>Date of Summary:</b> 23-AUG-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15072	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9525
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9522
<b>API Well Number:</b> 177004094300	<b>Drilling Operator:</b> CAIRN ENERGY USA LLC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 80
<b>Public Info Code:</b> Y 11-APR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5260 / 5259	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
7300 / 7298	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 265	Date of Summary: 07-JUN-2006	First Sample Examined: 4632
Lease Number: G24723	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19393
API Well Number: 177004123500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 4632 - 19410	Water Depth: 80
Public Info Code: Y 25-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4632 / 4632	DEF AT first sample examined	DEF IN 1
5790 / 5789	DEF AT - - - - -	DEF AT 2
5820 / 5819	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
5850 / 5849	DEF AT - - - - -	DEF AT 3
5880 / 5879	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 3
5970 / 5969	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
6000 / 5999	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 3
6570 / 6569	POS AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 3
7440 / 7439	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
7690 / 7689	DEF AT - - - - -	DEF AT 3
7800 / 7799	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 3
8100 / 8099	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
8160 / 8159	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
8640 / 8639	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 3
9000 / 8999	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
9090 / 9089	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
9150 / 9149	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
9810 / 9809	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
9930 / 9929	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
10050 /10049	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
10230 /10229	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
10290 /10289	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 265	Date of Summary: 07-JUN-2006	First Sample Examined: 4632
Lease Number: G24723	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19393
API Well Number: 177004123500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 4632 - 19410	Water Depth: 80
Public Info Code: Y 25-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10380 /10378	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
10440 /10438	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
10470 /10468	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
10890 /10888	DEF AT - - - - -	DEF AT 5
11430 /11427	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
11460 /11457	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
11550 /11547	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
11580 /11577	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
12000 /11995	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
12130 /12124	DEF AT - - - - -	DEF AT 4
12600 /12592	DEF AT - - - - -	DEF AT 5
12660 /12652	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12720 /12712	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
13080 /13070	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
13230 /13219	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13290 /13279	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
13380 /13368	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
14220 /14203	DEF AT - - - - -	DEF AT 5
14429 /14410	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
14430 /14411	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14550 /14530	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
15149 /15128	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
15150 /15129	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15630 /15609	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 265	<b>Date of Summary:</b> 07-JUN-2006	<b>First Sample Examined:</b> 4632
<b>Lease Number:</b> G24723	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19415
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 19393
<b>API Well Number:</b> 177004123500	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 132
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4632 - 19410	<b>Water Depth:</b> 80
<b>Public Info Code:</b> Y 25-APR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16170 /16149	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT 5
16260 /16239	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT 5
16350 /16329	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i> (acme)	DEF AT 5
16560 /16539	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT 5
16680 /16659	POS IN Middle Miocene (Serravallian) <i>Cibicides opima</i>	DEF AT 5
17370 /17349	POS AT Middle Miocene (Langhian) <i>Helicosphaera ampliaperta</i>	DEF AT 5
17520 /17498	POS AT Middle Miocene (Langhian) <i>Globigerinatella insueta</i>	DEF AT 5
18600 /18577	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (acme)	DEF AT 5
19020 /18997	POS AT Middle Miocene (Langhian) <i>Robulus "L" / 43</i>	DEF AT 5
19410 /19386	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 269	Date of Summary: 10-OCT-1995	First Sample Examined: 9020
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 12990
Well Name: 001	Paleo Done By: LAURALEE R. REUGGER	Borehole TVD: 12910
API Well Number: 177004091900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 98
Paleo Report Num: 1 of 3	Sample Range: 9020 - 12950	Water Depth: 72
Public Info Code: Y 17-AUG-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9020 / 9018	DEF AT first sample examined	DEF AT
9021 / 9019	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9080 / 9078	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9410 / 9408	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
10040 /10038	POS AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
10900 /10892	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11340 /11314	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12700 /12631	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12950 /12872	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 269	Date of Summary: 05-JAN-1996	First Sample Examined: 8480
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 12990
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12910
API Well Number: 177004091900	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 98
Paleo Report Num: 2 of 3	Sample Range: 8480 - 12950	Water Depth: 72
Public Info Code: Y 17-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8480 / 8479	DEF AT first sample examined	DEF AT 2
9380 / 9378	DEF AT - - - - -	DEF IN 3
10310 /10308	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
10900 /10892	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
12700 /12631	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
12950 /12872	DEF AT last sample examined	DEF IN 3

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 269	<b>Date of Summary:</b> 30-JUN-1996	<b>First Sample Examined:</b> 8480
<b>Lease Number:</b> G13563	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12990
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 12910
<b>API Well Number:</b> 177004091900	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 8480 - 12950	<b>Water Depth:</b> 72
<b>Public Info Code:</b> Y 17-AUG-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8480 / 8479	DEF AT first sample examined	DEF AT 2
8540 / 8539	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 2
8810 / 8808	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 2
9380 / 9378	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
9410 / 9408	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
9440 / 9438	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 3
9620 / 9618	DEF AT faunal change (no faunal increase)	DEF AT 2
9980 / 9978	DEF AT faunal change (no faunal increase)	DEF IN 2
10220 /10218	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
10250 /10248	DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri	DEF IN 2
10310 /10308	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
10400 /10398	DEF AT faunal change (no faunal increase)	DEF AT 2
10430 /10428	DEF AT Eggerella sp. (local marker)	DEF AT 2
10460 /10458	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 2
10839 /10833	DEF AT Eggerella sp. (local marker)	DEF AT 3
10840 /10834	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
10900 /10892	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
10930 /10921	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 3
10960 /10950	DEF AT sample gap top	POS IN 3
11070 /11056	DEF AT sample gap bottom	DEF IN 3
11510 /11477	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 2
11540 /11506	DEF AT faunal change (no faunal increase)	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 269  
Lease Number: G13563  
Well Name: 001  
API Well Number: 177004091900  
Paleo Report Num: 3 of 3  
Public Info Code: Y 17-AUG-2005

Date of Summary: 30-JUN-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 8480 - 12950  
Ecozone Eq MMS: Y

First Sample Examined: 8480  
Borehole MD: 12990  
Borehole TVD: 12910  
Rkb Elevation: 98  
Water Depth: 72  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11570 /11535	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
11690 /11651	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 3
12030 /11982	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
12050 /12001	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 3
12110 /12060	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 3
12230 /12177	DEF AT sample gap top	POS IN 3
12350 /12294	DEF AT sample gap bottom	DEF IN 3
12640 /12574	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
12920 /12843	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 269	Date of Summary: 24-JAN-1996	First Sample Examined: 9970
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 14555
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 13000
API Well Number: 177004092400	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 9970 - 14555	Water Depth: 72
Public Info Code: Y 24-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9970 / 9744	DEF AT first sample examined	POS AT 3
10102 / 9840	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
14555 /13000	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 269  
 Lease Number: G13563  
 Well Name: JA004  
 API Well Number: 177004096900  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 15-AUG-2007

Date of Summary: 23-AUG-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: SHELL OFFSHORE INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14185  
 Borehole TVD: 11898  
 Rkb Elevation: 132  
 Water Depth: 71  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10450 / 9686	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10840 / 9906	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
11412 /10224	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 270	Date of Summary: 15-JAN-1997	First Sample Examined: 10700
Lease Number: G15073	Source of Paleo: OPERATOR	Borehole MD: 14680
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 14051
API Well Number: 177004094100	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 10700 - 14680	Water Depth: 79
Public Info Code: Y 31-DEC-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10700 /10697	DEF AT first sample examined	DEF AT
10820 /10817	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13620 /13260	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13770 /13368	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14680 /14052	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 272	Date of Summary: 04-OCT-2001	First Sample Examined: 0
Lease Number: G17774	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6306
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6306
API Well Number: 177004111500	Drilling Operator: CALLON PETROLEUM OPERATING COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 31-JUL-2002	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5840 / 5840	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 275  
Lease Number: G14324  
Well Name: JA001  
API Well Number: 177004093300  
Paleo Report Num: 1 of 3  
Public Info Code: Y 11-JAN-2002

Date of Summary: 24-APR-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 8000 - 14385  
Ecozone Eq MMS: Y

First Sample Examined: 8000  
Borehole MD: 14389  
Borehole TVD: 14064  
Rkb Elevation: 81  
Water Depth: 79  
Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
8000 / 7990	DEF AT first sample examined	DEF AT 2
8001 / 7991	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 2
8030 / 8020	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8060 / 8049	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 2
8360 / 8348	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 2
8450 / 8437	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 2
9110 / 9095	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
9500 / 9476	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 2
10130 /10084	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
10160 /10113	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 2
10220 /10169	DEF AT -----	DEF AT 3
10250 /10197	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 3
10340 /10281	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 3
10460 /10393	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 3
10880 /10779	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
11000 /10889	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
11030 /10916	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
11644 /11479	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 3
11944 /11755	POS AT Upper Miocene (Tortonian) Textularia 6	DEF IN 3
12124 /11920	DEF AT -----	DEF IN 2
12394 /12165	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12546 /12301	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 275  
Lease Number: G14324  
Well Name: JA001  
API Well Number: 177004093300  
Paleo Report Num: 1 of 3  
Public Info Code: Y 11-JAN-2002

Date of Summary: 24-APR-1996  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: SHELL OFFSHORE INC.  
Sample Range: 8000 - 14385  
Ecozone Eq MMS: Y

First Sample Examined: 8000  
Borehole MD: 14389  
Borehole TVD: 14064  
Rkb Elevation: 81  
Water Depth: 79  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12720 /12461	DEF AT Cyclammia cancellata (local marker)	DEF AT 3
13110 /12828	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13230 /12942	DEF AT - - - - -	DEF IN 2
13520 /13220	DEF AT - - - - -	DEF IN 2
13580 /13279	DEF AT Arenaceous fauna (local marker)	DEF IN 2
13760 /13454	DEF AT Bathysiphon fauna	DEF AT 3
13820 /13512	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 3
13910 /13600	DEF AT - - - - -	DEF AT 3
14000 /13688	DEF AT local marker foram increase	DEF AT 3
14150 /13834	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 3
14210 /13892	DEF AT - - - - -	DEF IN 2
14270 /13949	DEF AT limestone	DEF IN 2
14360 /14036	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 275	<b>Date of Summary:</b> 10-MAY-1996	<b>First Sample Examined:</b> 8000
<b>Lease Number:</b> G14324	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14389
<b>Well Name:</b> JA001	<b>Paleo Done By:</b> LAURALEE R. REUGGER	<b>Borehole TVD:</b> 14064
<b>API Well Number:</b> 177004093300	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 8000 - 14385	<b>Water Depth:</b> 79
<b>Public Info Code:</b> Y 11-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7990	DEF AT first sample examined	DEF AT
8001 / 7991	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8240 / 8228	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
8480 / 8467	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
10610 /10532	DEF AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
13820 /13512	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14180 /13863	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
14210 /13892	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14270 /13949	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14385 /14060	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 275	Date of Summary: 03-JUL-1996	First Sample Examined: 8000
Lease Number: G14324	Source of Paleo: OPERATOR	Borehole MD: 14389
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 14064
API Well Number: 177004093300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 81
Paleo Report Num: 3 of 3	Sample Range: 8000 - 14385	Water Depth: 79
Public Info Code: Y 11-JAN-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7990	DEF AT first sample examined	DEF AT 2
8001 / 7991	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 2
8240 / 8228	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 2
8450 / 8437	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
8480 / 8467	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 2
10160 /10113	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 3
10250 /10197	DEF AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF IN 3
10610 /10532	DEF AT Lower Pliocene (Zanclian) Discoaster challengeri	DEF IN 3
11000 /10889	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
14210 /13892	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 2
14270 /13949	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 2
14385 /14060	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 275	<b>Date of Summary:</b> 10-APR-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14324	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11230
<b>Well Name:</b> JA002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10883
<b>API Well Number:</b> 177004094400	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 79
<b>Public Info Code:</b> Y 11-JAN-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9194 / 8927	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
9820 / 9546	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10034 / 9753	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 277	Date of Summary: 13-JAN-1998	First Sample Examined: 4600
Lease Number: G04761	Source of Paleo: OPERATOR	Borehole MD: 14400
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 14112
API Well Number: 177004095300	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 35
Paleo Report Num: 1 of 1	Sample Range: 4030 - 14404	Water Depth: 85
Public Info Code: Y 27-NOV-2002	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4600 / 4600	DEF AT first sample examined	DEF AT 1
8464 / 8462	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
11192 /11186	DEF AT -----	DEF IN 3
11849 /11835	DEF AT -----	DEF AT 3
13307 /13181	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 3
13837 /13635	DEF AT -----	DEF AT 3
14400 /14113	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 278	<b>Date of Summary:</b> 14-JAN-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19711	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14300
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14297
<b>API Well Number:</b> 177004101500	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 31-MAY-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7128 / 7128	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
10915 /10914	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 279	<b>Date of Summary:</b> 16-DEC-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03382	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 18002
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17977
<b>API Well Number:</b> 177004089900	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 07-DEC-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7614 / 7614	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
11434 /11430	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
16760 /16739	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 280	Date of Summary: 24-MAR-1999	First Sample Examined: 0
Lease Number: G03382	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15748
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 14349
API Well Number: 177004032901	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 13-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10144 / 9480	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
10734 / 9973	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 280	<b>Date of Summary:</b> 24-MAY-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15074	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11502
<b>Well Name:</b> C002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11500
<b>API Well Number:</b> 177004033101	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 27-MAR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6484 / 6047	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7180 / 6573	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
10620 / 9651	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 280	<b>Date of Summary:</b> 20-AUG-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15074	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11324
<b>Well Name:</b> C004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10094
<b>API Well Number:</b> 177004034201	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 122
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 27-MAR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6158 / 5804	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7104 / 6559	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
10443 / 9335	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 280	<b>Date of Summary:</b> 29-MAY-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15074	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9210
<b>Well Name:</b> C005	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8152
<b>API Well Number:</b> 177004034501	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 118
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 90
<b>Public Info Code:</b> Y 27-MAR-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6426 / 5701	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7381 / 6408	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 280  
 Lease Number: G15074  
 Well Name: C006  
 API Well Number: 177004034604  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 27-MAR-2001

Date of Summary: 23-DEC-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 15819  
 Borehole TVD: 8384  
 Rkb Elevation: 63  
 Water Depth: 98  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8368 / 5691	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10772 / 6482	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
15649 / 8284	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 285	<b>Date of Summary:</b> 07-FEB-1990	<b>First Sample Examined:</b> 4000
<b>Lease Number:</b> G10566	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 7762
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6676
<b>API Well Number:</b> 177004080200	<b>Drilling Operator:</b> ADOBE OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4000 - 7768	<b>Water Depth:</b> 109
<b>Public Info Code:</b> Y 29-FEB-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3669	DEF AT first sample examined	DEF IN 2
6250 / 5456	DEF AT - - - - -	DEF AT 3
6310 / 5504	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7060 / 6113	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
7768 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 285	<b>Date of Summary:</b> 16-SEP-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10566	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 5828
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 4406
<b>API Well Number:</b> 177004081100	<b>Drilling Operator:</b> ADOBE OIL & GAS CORPORATION	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 109
<b>Public Info Code:</b> Y 20-MAY-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5344 / 4091	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 289	<b>Date of Summary:</b> 23-JUL-2008	<b>First Sample Examined:</b> 12900
<b>Lease Number:</b> G22539	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14250
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14249
<b>API Well Number:</b> 177014040500	<b>Drilling Operator:</b> HUNT OIL COMPANY	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12900 - 14250	<b>Water Depth:</b> 46
<b>Public Info Code:</b> Y 23-NOV-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12900 /12899	DEF AT first sample examined	DEF AT 3
12901 /12900	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
13470 /13469	POS AT sequence boundary	DEF AT 3
13680 /13679	POS AT maximum flooding surface	POS AT 4
14250 /14249	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 291	<b>Date of Summary:</b> 14-OCT-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G04397	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14625
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12631
<b>API Well Number:</b> 177014030300	<b>Drilling Operator:</b> PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 29-MAY-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11299 /10528	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
12435 /11242	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
14107 /12326	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 292	Date of Summary: 06-DEC-1996	First Sample Examined: 0
Lease Number: G06581	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20296
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 20249
API Well Number: 177014026600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 20-FEB-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
5674 / 5674	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6612 / 6612	DEF IN Upper Miocene (Tortonian) Robulus 15	DEF AT
7857 / 7857	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
8451 / 8451	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9293 / 9293	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
10085 /10085	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10393 /10393	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10961 /10961	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
12526 /12525	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
15155 /15152	DEF IN local marker benthic foram increase	DEF AT
19104 /19083	DEF IN local marker benthic foram increase	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 293	<b>Date of Summary:</b> 17-MAY-1991	<b>First Sample Examined:</b> 8690
<b>Lease Number:</b> G04398	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12173
<b>Well Name:</b> 004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12000
<b>API Well Number:</b> 177014024400	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4070 - 11360	<b>Water Depth:</b> 55
<b>Public Info Code:</b> Y 21-MAY-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8990 / 8989	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9530 / 9524	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10010 / 9988	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 294	<b>Date of Summary:</b> 09-SEP-1993	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G04090	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10661
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10330
<b>API Well Number:</b> 177014026300	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 44
<b>Public Info Code:</b> Y 02-SEP-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8995 / 8979	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9638 / 9540	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 294  
Lease Number: G04090  
Well Name: B001  
API Well Number: 177014029300  
Paleo Report Num: 1 of 1  
Public Info Code: Y 08-JAN-2007

Date of Summary: 24-FEB-1997  
Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
Paleo Done By: OPERATOR  
Drilling Operator: BP AMERICA PRODUCTION COMPANY  
Sample Range: 0 - 0  
Ecozone Eq MMS:

First Sample Examined: 0  
Borehole MD: 9996  
Borehole TVD: 9996  
Rkb Elevation: 96  
Water Depth: 48  
Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4090 / 4090	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4600 / 4600	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
5200 / 5200	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
5560 / 5560	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6400 / 6400	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7090 / 7090	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8230 / 8229	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8320 / 8319	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9005 / 9004	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9220 / 9219	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 295	Date of Summary: 01-JUN-2005	First Sample Examined: 4500
Lease Number: G24730	Source of Paleo: OPERATOR	Borehole MD: 14365
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14356
API Well Number: 177014037500	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 4500 - 14365	Water Depth: 48
Public Info Code: Y 29-JUN-2015	Ecozone Eq MMS:	Paleo ID: 001

Remark: Paleo done by Rashel N Rosen

MD / TVD	Paleo Top Description	Ecozone
4500 / 4500	DEF AT first sample examined	DEF AT 1
4501 / 4501	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
5130 / 5130	DEF AT -----	DEF IN 1
5490 / 5490	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
5880 / 5880	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
6300 / 6300	DEF AT -----	DEF IN 3
6960 / 6960	DEF AT pyrite	DEF AT 2
7200 / 7200	DEF AT -----	DEF IN 1
7380 / 7380	DEF AT -----	DEF AT 2
7740 / 7740	DEF AT -----	DEF IN 2
7860 / 7860	DEF AT local marker benthic foram increase	DEF IN 2
8039 / 8039	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
8040 / 8040	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
8340 / 8340	DEF AT local marker benthic foram increase	DEF AT 3
8580 / 8580	DEF AT -----	DEF IN 2
8760 / 8760	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
9000 / 9000	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 2
9570 / 9569	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 2
9870 / 9869	DEF AT local marker planktic foram increase	DEF IN 2
10410 /10409	DEF AT -----	DEF AT 3
10439 /10438	DEF AT Eggerella sp. (local marker)	DEF AT 3
10440 /10439	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 295	<b>Date of Summary:</b> 01-JUN-2005	<b>First Sample Examined:</b> 4500
<b>Lease Number:</b> G24730	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14365
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14356
<b>API Well Number:</b> 177014037500	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4500 - 14365	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 29-JUN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10470 /10469	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
10710 /10709	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10740 /10739	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
11130 /11129	DEF AT - - - - -	DEF IN 3
11460 /11459	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
12300 /12298	DEF AT cement	DEF IN 3
12390 /12388	DEF AT - - - - -	DEF IN 2
12540 /12538	DEF AT sandstone	DEF IN 2
12720 /12718	DEF AT pyrite	DEF IN 2
12780 /12777	DEF AT sandstone	DEF IN 2
13740 /13732	DEF AT limestone	DEF IN 2
13770 /13762	DEF AT sandstone	DEF IN 2
14365 /14356	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 295	<b>Date of Summary:</b> 16-JUL-2005	<b>First Sample Examined:</b> 14370
<b>Lease Number:</b> G24730	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15778
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15766
<b>API Well Number:</b> 177014037501	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 97
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14370 - 15775	<b>Water Depth:</b> 49
<b>Public Info Code:</b> Y 12-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14370 /14360	DEF AT first sample examined	POS IN 2
14610 /14599	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
14820 /14809	DEF AT -----	DEF AT 2
14910 /14899	POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 2
14940 /14929	DEF AT -----	DEF IN 2
15030 /15019	DEF AT drilling material	DEF IN 2
15270 /15259	DEF AT -----	DEF AT 2
15510 /15499	POS AT fault	DEF AT 2
15570 /15558	DEF AT -----	DEF IN 2
15775 /15763	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 296	Date of Summary: 13-SEP-2001	First Sample Examined: 7020
Lease Number: G21548	Source of Paleo: OPERATOR	Borehole MD: 17785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17749
API Well Number: 177014033100	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 7020 - 17785	Water Depth: 52
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7019	DEF AT first sample examined	DEF AT 2
7080 / 7079	DEF AT - - - - -	DEF AT 3
7230 / 7229	DEF AT local marker foram increase	DEF AT 3
7289 / 7288	POS AT unconformity	DEF AT 3
7290 / 7289	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
7320 / 7319	DEF AT - - - - -	DEF AT 2
7440 / 7439	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
7470 / 7469	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7560 / 7559	DEF AT - - - - -	DEF AT 3
7680 / 7679	DEF AT local marker planktic foram increase	DEF AT 3
7950 / 7949	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
8400 / 8399	DEF AT - - - - -	DEF AT 2
8520 / 8519	DEF AT - - - - -	DEF AT 3
8760 / 8759	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
9120 / 9119	DEF AT local marker foram increase	DEF AT 3
9900 / 9899	DEF AT local marker foram increase	DEF AT 3
10080 /10079	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
10290 /10289	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
11070 /11069	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11610 /11609	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11760 /11759	DEF AT local marker planktic foram increase	DEF AT 3
11940 /11939	DEF AT local marker foram increase	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 296	Date of Summary: 13-SEP-2001	First Sample Examined: 7020
Lease Number: G21548	Source of Paleo: OPERATOR	Borehole MD: 17785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17749
API Well Number: 177014033100	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 7020 - 17785	Water Depth: 52
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12450 /12448	DEF AT local marker foram increase	DEF AT 3
12600 /12598	DEF AT -----	DEF AT 2
12720 /12718	DEF AT -----	DEF AT 3
12750 /12748	DEF AT local marker foram increase	DEF AT 3
12900 /12898	DEF AT local marker foram increase	DEF AT 3
13320 /13317	DEF AT -----	DEF AT 2
13440 /13437	DEF AT -----	DEF AT 3
13500 /13497	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
13920 /13916	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
14490 /14485	POS AT reworked material	DEF AT 3
14910 /14904	DEF AT -----	DEF AT 2
15270 /15262	DEF AT -----	DEF AT 0
15450 /15440	DEF AT -----	DEF AT 2
15840 /15825	DEF AT -----	DEF AT 1
16020 /16003	DEF AT -----	DEF AT 2
16680 /16655	DEF AT -----	DEF AT 3
16740 /16715	DEF AT -----	DEF AT 4
16770 /16744	DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 3
17760 /17724	DEF AT -----	DEF AT 3
17785 /17749	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 297	<b>Date of Summary:</b> 05-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15077	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10250
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10249
<b>API Well Number:</b> 177014031700	<b>Drilling Operator:</b> IP PETROLEUM COMPANY INC	<b>Rkb Elevation:</b> 114
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 40
<b>Public Info Code:</b> Y 27-FEB-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7450 / 7450	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9564 / 9563	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 300	<b>Date of Summary:</b> 17-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15078	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11521
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10887
<b>API Well Number:</b> 177014031100	<b>Drilling Operator:</b> CHIEFTAIN INTERNATIONAL US INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 22-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8204 / 8199	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9625 / 9503	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10822 /10390	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 300	<b>Date of Summary:</b> 06-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15078	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9525
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9028
<b>API Well Number:</b> 177014031000	<b>Drilling Operator:</b> CHIEFTAIN INTERNATIONAL US INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 08-FEB-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9061 / 8674	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 304  
 Lease Number: G17786  
 Well Name: 002  
 API Well Number: 177014030200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 19-APR-2005

Date of Summary: 25-MAY-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: DANALYNNE GRIFFITH  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 8000 - 9390  
 Ecozone Eq MMS: Y

First Sample Examined: 8000  
 Borehole MD: 9046  
 Borehole TVD: 9044  
 Rkb Elevation: 94  
 Water Depth: 50  
 Paleo ID: 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 8000	DEF AT first sample examined	DEF AT 2
8001 / 8001	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
8270 / 8269	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
8360 / 8359	DEF AT -----	DEF AT 2
8660 / 8659	DEF AT -----	DEF AT 3
8780 / 8779	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
9120 /	DEF AT -----	DEF AT 2
9360 /	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 304	<b>Date of Summary:</b> 29-APR-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17786	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9391
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9390
<b>API Well Number:</b> 177014030201	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 19-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6019 / 6019	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7340 / 7340	DEF IN Upper Miocene (Tortonian) Robulus 15	DEF AT
8595 / 8594	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9197 / 9196	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 305	<b>Date of Summary:</b> 31-DEC-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17786	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10748
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9604
<b>API Well Number:</b> 177014029901	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 57
<b>Public Info Code:</b> Y 19-APR-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5120 / 5120	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
6230 / 6226	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7649 / 7469	DEF AT Upper Miocene (Tortonian) Robulus 15	DEF AT
9820 / 8938	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 306	Date of Summary: 13-JAN-1999	First Sample Examined: 0
Lease Number: G10572	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12015
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12003
API Well Number: 177014030700	Drilling Operator: KING RANCH OIL AND GAS INC	Rkb Elevation: 149
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 28-OCT-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6330 / 6329	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7170 / 7169	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7920 / 7918	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8580 / 8575	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8880 / 8874	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9330 / 9323	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10430 /10422	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 306	<b>Date of Summary:</b> 04-JUN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10572	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7580
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7580
<b>API Well Number:</b> 177014027000	<b>Drilling Operator:</b> KING RANCH OIL AND GAS INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 52
<b>Public Info Code:</b> Y 28-OCT-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6915 / 6915	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 310	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 9210
<b>Lease Number:</b> G17789	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20664
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19477
<b>API Well Number:</b> 177014035800	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9210 - 20664	<b>Water Depth:</b> 58
<b>Public Info Code:</b> Y 15-APR-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9210 / 8854	DEF AT first sample examined	DEF AT 2
9211 / 8855	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
9270 / 8906	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
9360 / 8984	DEF AT Cyclammina cancellata (local marker)	DEF AT 2
9540 / 9140	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
9780 / 9348	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
10080 / 9607	DEF AT Arenaceous fauna (local marker)	DEF AT 3
10230 / 9737	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
10620 /10075	DEF AT local marker benthic foram increase	DEF AT 3
10740 /10179	DEF AT faunal change (no faunal increase)	DEF IN 2
10830 /10257	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
11220 /10595	DEF AT foram flood	DEF AT 3
11370 /10724	DEF AT local marker benthic foram increase	DEF IN 3
11820 /11114	DEF AT deepwater facies Harang	DEF AT 4
11940 /11218	DEF AT local marker benthic foram increase	DEF AT 4
12000 /11270	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12510 /11711	DEF AT local marker benthic foram increase	DEF AT 4
12870 /12022	DEF AT faunal change (no faunal increase)	DEF AT 3
13230 /12335	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
13290 /12388	DEF AT faunal change (no faunal increase)	DEF IN 3
13500 /12571	DEF AT faunal change (no faunal increase)	DEF AT 3
13680 /12727	DEF AT deepwater facies Pontchartrain	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 310	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 9210
<b>Lease Number:</b> G17789	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20664
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19477
<b>API Well Number:</b> 177014035800	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9210 - 20664	<b>Water Depth:</b> 58
<b>Public Info Code:</b> Y 15-APR-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13890 /12908	DEF AT faunal change (no faunal increase)	DEF IN 4
14069 /13063	DEF AT local marker planktic foram increase	DEF IN 4
14070 /13064	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 4
14370 /13324	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
14430 /13376	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
15120 /13996	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 4
15239 /14108	DEF AT foram flood	DEF IN 4
15240 /14109	DEF IN Middle Miocene (Langhian) Cibicides 38	DEF IN 4
15600 /14451	DEF AT faunal change (no faunal increase)	DEF AT 3
15680 /14528	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
15750 /14596	DEF AT faunal change (no faunal increase)	DEF IN 3
15780 /14626	DEF AT faunal change (no faunal increase)	DEF AT 4
16020 /14861	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
16260 /15099	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
16770 /15608	DEF AT faunal change (no faunal increase)	DEF AT 3
17370 /16208	DEF AT cement	DEF AT 3
17880 /16718	DEF AT faunal change (no faunal increase)	DEF AT 2
18240 /17078	DEF AT faunal change (no faunal increase)	DEF AT 3
18900 /17737	DEF AT faunal change (no faunal increase)	DEF AT 2
18930 /17766	DEF AT faunal change (no faunal increase)	DEF AT 3
18960 /17796	DEF AT faunal change (no faunal increase)	DEF AT 2
19380 /18214	DEF AT faunal change (no faunal increase)	DEF AT 3
19560 /18392	DEF AT faunal change (no faunal increase)	DEF IN 3
20100 /18925	POS AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 310	<b>Date of Summary:</b> 01-MAR-2004	<b>First Sample Examined:</b> 9210
<b>Lease Number:</b> G17789	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20664
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 19477
<b>API Well Number:</b> 177014035800	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9210 - 20664	<b>Water Depth:</b> 58
<b>Public Info Code:</b> Y 15-APR-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20664 /19478	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 311	<b>Date of Summary:</b> 11-JUL-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15079	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12900
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12205
<b>API Well Number:</b> 177014029000	<b>Drilling Operator:</b> IP PETROLEUM COMPANY INC	<b>Rkb Elevation:</b> 93
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 30-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7480 / 7480	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9370 / 9369	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9920 / 9908	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
12090 / 11606	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 312	Date of Summary: 17-FEB-1995	First Sample Examined: 0
Lease Number: G07613	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8492
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 8028
API Well Number: 177014026200	Drilling Operator: PG&E RESOURCES OFFSHORE CO	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 27-SEP-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7600 / 7136	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 312	Date of Summary: 11-APR-2001	First Sample Examined: 0
Lease Number: G07613	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9420
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 7900
API Well Number: 177014026201	Drilling Operator: FOREST OIL CORPORATOIN	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 05-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9272 / 7781	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 328	Date of Summary: 09-FEB-2004	First Sample Examined: 6420
Lease Number: G22542	Source of Paleo: OPERATOR	Borehole MD: 14900
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14452
API Well Number: 177014035500	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 6420 - 14910	Water Depth: 68
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6420 / 6420	DEF AT first sample examined	DEF AT 3
6480 / 6480	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
6570 / 6570	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
6780 / 6780	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8250 / 8250	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
9180 / 9180	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9300 / 9300	DEF AT faunal change (no faunal increase)	DEF AT 4
9630 / 9630	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
10530 /10526	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10590 /10584	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
11700 /11618	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11880 /11779	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
12000 /11886	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
12569 /12393	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12570 /12394	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13740 /13430	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
14310 /13932	DEF AT faunal change (no faunal increase)	DEF AT 5
14730 /14302	DEF AT faunal change (no faunal increase)	DEF AT 6
14910 /	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 328	<b>Date of Summary:</b> 09-FEB-2004	<b>First Sample Examined:</b> 11270
<b>Lease Number:</b> G22542	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13815
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12716
<b>API Well Number:</b> 177014035501	<b>Drilling Operator:</b> REMINGTON OIL AND GAS CORPORATION	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11270 - 13770	<b>Water Depth:</b> 68
<b>Public Info Code:</b> Y 25-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11270 /11230	DEF AT first sample examined	DEF AT 4
11271 /11231	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
11670 /11579	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11820 /11699	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
12090 /11896	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
12299 /12031	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12300 /12031	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13770 /12700	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 335	Date of Summary: 01-FEB-2005	First Sample Examined: 7340
Lease Number: G23760	Source of Paleo: OPERATOR	Borehole MD: 16655
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16453
API Well Number: 177014036700	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 7340 - 16654	Water Depth: 73
Public Info Code: Y 25-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7340 / 7340	DEF AT first sample examined	DEF AT 3
7430 / 7430	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
7970 / 7970	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
8210 / 8210	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8960 / 8959	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
9710 / 9704	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
9980 / 9973	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
10040 /10033	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10760 /10752	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10940 /10932	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
11690 /11681	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11810 /11801	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
11870 /11861	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
11900 /11891	DEF AT - - - - -	DEF AT 5
12290 /12281	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
12470 /12461	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
12830 /12821	DEF AT - - - - -	DEF AT 6
13280 /13268	DEF AT - - - - -	DEF AT 5
13400 /13386	DEF AT - - - - -	DEF AT 4
14840 /14739	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
15830 /15675	DEF AT - - - - -	DEF AT 5
16654 /16453	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 335	Date of Summary: 01-FEB-2005	First Sample Examined: 13310
Lease Number: G23760	Source of Paleo: OPERATOR	Borehole MD: 16655
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16453
API Well Number: 177014036700	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 13310 - 16654	Water Depth: 73
Public Info Code: Y 25-APR-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13310 /13298	DEF AT first sample examined	DEF AT
13311 /13299	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13312 /13300	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
14600 /14514	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
16654 /16453	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 351	Date of Summary: 29-JAN-2010	First Sample Examined: 4600
Lease Number: G33053	Source of Paleo: OPERATOR	Borehole MD: 13600
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 12183
API Well Number: 177014041200	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS LLC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4600 - 13600	Water Depth: 80
Public Info Code: Y 20-AUG-2013	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4600 / 4321	DEF AT first sample examined	POS AT 1
4601 / 4322	DEF AT transported inner shelf facies	POS AT 1
5370 / 4956	POS AT unconformity	DEF AT 1
5639 / 5178	DEF AT transported inner shelf facies	DEF AT 2
5640 / 5179	DEF AT - - - - -	DEF AT 2
5970 / 5451	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 2
6539 / 5920	POS AT unconformity	DEF IN 2
6540 / 5921	DEF AT local marker foram increase	DEF IN 2
6570 / 5945	DEF AT transported inner shelf facies	DEF AT 3
6990 / 6291	POS AT unconformity	DEF AT 3
7019 / 6314	DEF AT transported inner shelf facies	DEF AT 3
7020 / 6315	POS AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 3
7770 / 6930	POS AT unconformity	DEF AT 3
7830 / 6979	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
8760 / 7741	DEF AT Eggerella sp. (local marker)	DEF AT 3
8850 / 7814	DEF AT local marker benthic foram increase	DEF AT 3
9239 / 8133	DEF AT transported shelf fauna	DEF AT 2
9240 / 8134	DEF AT local marker foram decrease	DEF AT 2
9749 / 8550	POS AT unconformity	DEF AT 3
9750 / 8551	DEF AT local marker foram increase	DEF AT 3
9810 / 8600	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
9990 / 8748	DEF AT transported shelf fauna	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 351	<b>Date of Summary:</b> 29-JAN-2010	<b>First Sample Examined:</b> 4600
<b>Lease Number:</b> G33053	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13600
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 12183
<b>API Well Number:</b> 177014041200	<b>Drilling Operator:</b> CENTURY EXPLORATION NEW ORLEANS LLC	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4600 - 13600	<b>Water Depth:</b> 80
<b>Public Info Code:</b> Y 20-AUG-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10260 / 8970	DEF AT local marker foram decrease	DEF AT 3
10800 / 9440	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 3
11070 / 9688	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
11280 / 9885	DEF AT -----	DEF IN 4
12030 /10615	DEF AT -----	DEF AT 5
12360 /10943	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 5
12510 /11093	DEF AT transported shelf fauna	DEF AT 5
12870 /11453	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
13490 /12073	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 5
13600 /12183	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 364  
 Lease Number: G15083  
 Well Name: 001  
 API Well Number: 177014029400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 25-JAN-2005

Date of Summary: 31-AUG-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 11907  
 Borehole TVD: 10726  
 Rkb Elevation: 98  
 Water Depth: 80  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6955	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7700 / 7535	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
9000 / 8471	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10420 / 9564	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 365	Date of Summary: 06-NOV-1996	First Sample Examined: 4515
Lease Number: G15084	Source of Paleo: OPERATOR	Borehole MD: 14852
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14842
API Well Number: 177014029200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 4515 - 14850	Water Depth: 75
Public Info Code: Y 30-JUN-2000	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4514 / 4514	DEF AT first sample examined	DEF AT 1
5100 / 5100	DEF AT - - - - -	DEF AT 2
5130 / 5130	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6180 / 6180	DEF AT - - - - -	DEF AT 3
6330 / 6330	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8280 / 8280	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9090 / 9090	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
9969 / 9968	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4
9970 / 9969	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
10000 / 9999	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
10120 /10119	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
10810 /10809	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
10990 /10988	DEF AT Eggerella sp. (local marker)	DEF AT 4
11500 /11498	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
12510 /12506	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
12690 /12686	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
12900 /12895	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
13830 /13822	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
13979 /13971	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 5
13980 /13972	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
14010 /14002	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14850 /14840	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 365	<b>Date of Summary:</b> 06-NOV-1996	<b>First Sample Examined:</b> 10930
<b>Lease Number:</b> G15084	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14852
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 14842
<b>API Well Number:</b> 177014029200	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10930 - 14850	<b>Water Depth:</b> 75
<b>Public Info Code:</b> Y 30-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10930 /10929	DEF AT first sample examined	DEF AT
11260 /11258	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12240 /12237	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12630 /12626	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12720 /12716	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
12960 /12955	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13980 /13972	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14130 /14122	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14490 /14481	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14850 /14840	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 366	Date of Summary: 16-APR-2009	First Sample Examined: 7000
Lease Number: G27025	Source of Paleo: OPERATOR	Borehole MD: 13677
Well Name: A003	Paleo Done By: PALEO SOURCE	Borehole TVD: 13033
API Well Number: 177014041100	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS LLC	Rkb Elevation: 120
Paleo Report Num: 1 of 2	Sample Range: 7000 - 13677	Water Depth: 78
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity spreadsheet chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6980	DEF AT first sample examined	POS IN 2
7001 / 6981	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	POS IN 2
7720 / 7639	DEF AT local marker foram increase	DEF AT 2
7930 / 7830	DEF AT transported shelf fauna	DEF AT 2
7990 / 7884	DEF AT local marker foram increase	DEF AT 2
8440 / 8294	DEF AT local marker foram increase	DEF AT 2
8800 / 8619	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9370 / 9134	POS AT transported shelf fauna	DEF AT 2
9669 / 9406	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 3
9670 / 9407	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 3
9759 / 9487	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
9760 / 9488	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
10990 /10600	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
11290 /10873	DEF AT - - - - -	DEF IN 3
11770 /11308	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12100 /11608	DEF AT unconformity	DEF IN 3
12159 /11662	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
12160 /11663	DEF AT Arenaceous fauna (local marker)	DEF AT 5
12250 /11744	DEF AT unconformity	DEF AT 5
12490 /11961	DEF AT transported shelf fauna	DEF AT 5
12520 /11989	DEF AT unconformity	DEF AT 5
12909 /12341	DEF AT transported outer shelf facies	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 366	<b>Date of Summary:</b> 16-APR-2009	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G27025	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13677
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 13033
<b>API Well Number:</b> 177014041100	<b>Drilling Operator:</b> CENTURY EXPLORATION NEW ORLEANS LLC	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7000 - 13677	<b>Water Depth:</b> 78
<b>Public Info Code:</b> Y 19-AUG-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12910 /12342	DEF AT local marker foram increase	DEF AT 5
12940 /12369	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
13270 /12667	DEF AT unconformity	DEF AT 5
13677 /13033	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 366	Date of Summary: 24-JUN-2009	First Sample Examined: 10000
Lease Number: G27025	Source of Paleo: OPERATOR	Borehole MD: 13677
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13033
API Well Number: 177014041100	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS LLC	Rkb Elevation: 120
Paleo Report Num: 2 of 2	Sample Range: 10000 - 13677	Water Depth: 78
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9706	DEF AT first sample examined	DEF AT 3
10390 /10056	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
10510 /10164	POS AT maximum flooding surface	DEF AT 3
10690 /10327	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11170 /10764	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
11890 /11417	DEF AT - - - - -	DEF AT 4
11920 /11444	POS AT maximum flooding surface	DEF AT 4
12310 /11799	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
12910 /12342	POS AT maximum flooding surface	DEF AT 4
13240 /12640	POS AT maximum flooding surface	DEF AT 4
13677 /13033	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 366	Date of Summary: 17-JUL-2008	First Sample Examined: 7000
Lease Number: G31304	Source of Paleo: OPERATOR	Borehole MD: 13100
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13099
API Well Number: 177014040400	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS LLC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 7000 - 13102	Water Depth: 78
Public Info Code: Y 18-AUG-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7000 / 7000	DEF AT first sample examined	DEF IN 2
7090 / 7090	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 2
7630 / 7630	DEF AT - - - - -	DEF AT 3
8170 / 8170	POS AT sequence boundary	DEF AT 3
8229 / 8229	POS AT maximum flooding surface	DEF AT 3
8230 / 8230	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9280 / 9279	POS AT sequence boundary	DEF AT 3
9310 / 9309	POS AT maximum flooding surface	DEF AT 3
9430 / 9429	DEF AT - - - - -	DEF AT 4
9460 / 9459	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
10090 /10089	POS AT sequence boundary	DEF AT 4
10180 /10179	POS AT maximum flooding surface	DEF AT 4
10300 /10299	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
10540 /10539	POS AT sequence boundary	DEF AT 4
10600 /10599	POS AT maximum flooding surface	DEF AT 4
10779 /10778	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
10780 /10779	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
11470 /11469	POS AT maximum flooding surface	DEF AT 4
11920 /11919	POS AT Arenaceous fauna (local marker)	DEF AT 4
11980 /11979	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
12039 /12038	POS AT reworked material	DEF AT 4
12040 /12039	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 366	<b>Date of Summary:</b> 17-JUL-2008	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G31304	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13100
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13099
<b>API Well Number:</b> 177014040400	<b>Drilling Operator:</b> CENTURY EXPLORATION NEW ORLEANS LLC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7000 - 13102	<b>Water Depth:</b> 78
<b>Public Info Code:</b> Y 18-AUG-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13100 /13099	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 366	<b>Date of Summary:</b> 17-JUL-2008	<b>First Sample Examined:</b> 12000
<b>Lease Number:</b> G31304	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13805
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13101
<b>API Well Number:</b> 177014040700	<b>Drilling Operator:</b> CENTURY EXPLORATION NEW ORLEANS LLC	<b>Rkb Elevation:</b> 109
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12000 - 13805	<b>Water Depth:</b> 78
<b>Public Info Code:</b> Y 18-AUG-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 /11483	DEF AT first sample examined	DEF AT 4
12001 /11483	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 4
12510 /11937	POS AT Arenaceous fauna (local marker)	DEF AT 4
12570 /11991	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
13805 /13101	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 368	Date of Summary: 22-JUN-1990	First Sample Examined: 8610
Lease Number: G05315	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10149
API Well Number: 177014023500	Drilling Operator: CENTURY OFFSHORE MANAGEMENT	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8610 - 12000	Water Depth: 71
Public Info Code: Y 07-JUL-2000	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8610 / 7974	DEF AT first sample examined	DEF IN 3
8790 / 8080	DEF AT Eggerella sp. (local marker)	DEF IN 3
9000 / 8209	DEF AT - - - - -	DEF AT 4
9090 / 8266	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
9210 / 8343	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9410 / 8475	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9750 / 8697	DEF AT local marker foram decrease	DEF AT 4
9810 / 8736	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
10020 / 8871	DEF AT local marker benthic foram increase	DEF AT 4
10230 / 9003	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 4
10410 / 9116	DEF AT local marker foram decrease	DEF AT 4
10470 / 9154	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
10650 / 9267	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
10770 / 9344	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12000 / 10149	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 370	<b>Date of Summary:</b> 21-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21553	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9458
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7500
<b>API Well Number:</b> 177014031900	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 78
<b>Public Info Code:</b> Y 09-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 5386	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8230 / 6604	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 370	<b>Date of Summary:</b> 12-SEP-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21553	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7212
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6900
<b>API Well Number:</b> 177014032200	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 77
<b>Public Info Code:</b> Y 24-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5360	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5900 / 5645	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 370	<b>Date of Summary:</b> 22-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21553	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7777
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6601
<b>API Well Number:</b> 177014032300	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 77
<b>Public Info Code:</b> Y 06-DEC-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 5433	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6700 / 5650	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 370	<b>Date of Summary:</b> 21-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21553	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7963
<b>Well Name:</b> A004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6700
<b>API Well Number:</b> 177014032400	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 77
<b>Public Info Code:</b> Y 23-DEC-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 5388	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7000 / 5738	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 371	Date of Summary: 29-JAN-2010	First Sample Examined: 5450
Lease Number: G33056	Source of Paleo: OPERATOR	Borehole MD: 11194
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 10200
API Well Number: 177014041300	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS LLC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 5450 - 11194	Water Depth: 80
Public Info Code: Y 23-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5450 / 4978	DEF AT first sample examined	DEF AT 2
5451 / 4979	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
5600 / 5102	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 2
5750 / 5227	DEF AT local marker benthic foram increase	DEF AT 3
5930 / 5376	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
6770 / 6074	DEF AT transported shelf fauna	DEF AT 3
7610 / 6773	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
7850 / 6977	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
8569 / 7626	POS AT unconformity	DEF IN 3
8570 / 7627	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 3
8930 / 7971	POS AT unconformity	DEF AT 4
8960 / 8000	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 4
9380 / 8415	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 4
9740 / 8774	POS IN Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 5
10279 / 9307	POS AT unconformity	DEF AT 5
10280 / 9308	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
10730 / 9750	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
11194 /10200	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 401	<b>Date of Summary:</b> 11-JUL-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G07619	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7261
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7261
<b>API Well Number:</b> 177014023600	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 96
<b>Public Info Code:</b> Y 14-JUL-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2050 / 2050	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3225 / 3225	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6035 / 6034	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 401	Date of Summary: 04-JAN-2001	First Sample Examined: 0
Lease Number: G07619	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4900
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 4900
API Well Number: 177014028800	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 94
Public Info Code: Y 07-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2131 / 2131	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3278 / 3278	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 407	<b>Date of Summary:</b> 29-JAN-1999	<b>First Sample Examined:</b> 4050
<b>Lease Number:</b> G15089	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9606
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 8137
<b>API Well Number:</b> 177014030600	<b>Drilling Operator:</b> JX NIPPON OIL EXPLORATION USA LIMITED	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4050 - 9600	<b>Water Depth:</b> 93
<b>Public Info Code:</b> Y 22-DEC-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4050 / 4050	DEF AT first sample examined	DEF AT 1
4051 / 4051	DEF AT shell fragments	DEF AT 1
4052 / 4052	DEF AT sand	DEF AT 1
4053 / 4053	DEF AT pyrite	DEF AT 1
4260 / 4260	DEF AT -----	DEF IN 1
4560 / 4560	DEF AT sand	DEF AT 1
5340 / 5338	DEF AT -----	DEF AT 2
5670 / 5658	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6030 / 5991	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 2
6120 / 6071	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
6121 / 6072	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 3
6840 / 6636	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
7350 / 7010	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 3
8100 / 7399	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
9179 / 7868	DEF AT unconformity	POS AT 5
9180 / 7868	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
9480 / 8053	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
9570 / 8112	DEF AT reworked material	DEF AT 5
9571 / 8113	POS AT Middle Miocene	DEF AT 5
9600 / 8132	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 408	<b>Date of Summary:</b> 27-FEB-1990	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10580	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8581
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8580
<b>API Well Number:</b> 177014022800	<b>Drilling Operator:</b> ENRON CORP	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 97
<b>Public Info Code:</b> Y 01-MAR-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2100 / 2100	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4800 / 4800	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5640 / 5640	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 408  
Lease Number: G10580  
Well Name: A002  
API Well Number: 177014025200  
Paleo Report Num: 1 of 1  
Public Info Code: Y 13-DEC-2000

Date of Summary: 19-DEC-1991  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ENRON CORP  
Sample Range: 200 - 8780  
Ecozone Eq MMS:

First Sample Examined: 200  
Borehole MD: 8791  
Borehole TVD: 7052  
Rkb Elevation: 90  
Water Depth: 100  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
200 / 200	DEF AT first sample examined	POS IN	2
1490 / 1490	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN	2
5210 / 4681	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN	2
5990 / 5178	DEF AT - - - - -	DEF AT	3
6140 / 5276	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT	3
7910 / 6452	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	POS AT	4
8780 / 7044	DEF AT last sample examined	DEF AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 431	Date of Summary: 12-APR-2000	First Sample Examined: 0
Lease Number: G10584	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9150
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9031
API Well Number: 177014029800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 102
Public Info Code: Y 15-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8861 / 8766	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 455	<b>Date of Summary:</b> 11-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G19720	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9816
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8126
<b>API Well Number:</b> 177024128100	<b>Drilling Operator:</b> CALLON PETROLEUM OPERATING COMPANY	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 115
<b>Public Info Code:</b> Y 31-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4416 / 3998	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8703 / 7278	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
9427 / 7831	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 459	Date of Summary: 07-JUL-2001	First Sample Examined: 0
Lease Number: G21056	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9327
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 9036
API Well Number: 177024129000	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 135
Public Info Code: Y 27-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9119 / 8841	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 459	<b>Date of Summary:</b> 10-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21056	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11246
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9820
<b>API Well Number:</b> 177024128600	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 135
<b>Public Info Code:</b> Y 27-NOV-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10930 / 9555	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 459	<b>Date of Summary:</b> 07-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21056	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10172
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9745
<b>API Well Number:</b> 177024128900	<b>Drilling Operator:</b> MARINER GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 135
<b>Public Info Code:</b> Y 27-NOV-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8604 / 8559	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 461	<b>Date of Summary:</b> 09-JUN-1999	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14336	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11940
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8115
<b>API Well Number:</b> 177024114500	<b>Drilling Operator:</b> PETSEC ENERGY INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 130
<b>Public Info Code:</b> Y 10-MAR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6939 / 4955	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8565 / 5901	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11440 / 7773	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 461	<b>Date of Summary:</b> 27-JUL-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14336	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10704
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8496
<b>API Well Number:</b> 177024114800	<b>Drilling Operator:</b> PETSEC ENERGY INC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 130
<b>Public Info Code:</b> Y 27-MAR-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5950 / 4978	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9706 / 7764	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 473	Date of Summary: 15-JAN-1997	First Sample Examined: 0
Lease Number: G15095	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6570
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6570
API Well Number: 177024111300	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 27-AUG-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6370 / 6370	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 479	<b>Date of Summary:</b> 21-AUG-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14336	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12754
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9914
<b>API Well Number:</b> 177024116800	<b>Drilling Operator:</b> PETSEC ENERGY INC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 130
<b>Public Info Code:</b> Y 15-AUG-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6300 / 4347	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11180 / 8454	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 489	Date of Summary: 17-NOV-2005	First Sample Examined: 6354
Lease Number: G24760	Source of Paleo: OPERATOR	Borehole MD: 15142
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13137
API Well Number: 177024134301	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 6354 - 15140	Water Depth: 142
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6354 / 6354	DEF AT first sample examined	DEF AT 2
6610 / 6610	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7359 / 7357	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
7360 / 7358	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7540 / 7538	DEF AT - - - - -	DEF AT 4
8540 / 8533	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
8900 / 8882	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
8959 / 8938	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
8960 / 8939	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9289 / 9246	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
9290 / 9247	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9499 / 9434	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
9500 / 9435	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
9620 / 9542	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9680 / 9595	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
9770 / 9673	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9830 / 9725	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT 6
10610 /10314	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
10640 /10334	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
10820 /10450	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
11569 /10903	POS AT salt weld	DEF AT 6
11570 /10903	DEF AT Lower Miocene (Aquitanean) Cyclicargolithus abisectus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 489  
 Lease Number: G24760  
 Well Name: A002  
 API Well Number: 177024134301  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 30-APR-2008

Date of Summary: 17-NOV-2005  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: GRYPHON EXPLORATION COMPANY  
 Sample Range: 6354 - 15140  
 Ecozone Eq MMS: Y

First Sample Examined: 6354  
 Borehole MD: 15142  
 Borehole TVD: 13137  
 Rkb Elevation: 126  
 Water Depth: 142  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14540 /12761	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
14750 /12895	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 6
14960 /13024	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
15140 /13136	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 490	Date of Summary: 10-MAR-1997	First Sample Examined: 0
Lease Number: G16194	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8699
API Well Number: 177024114300	Drilling Operator: ASHLAND EXPLORATION HOLDINGS INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 133
Public Info Code: Y 04-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6251 / 6251	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7130 / 7130	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 492	<b>Date of Summary:</b> 19-APR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16191	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7360
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7360
<b>API Well Number:</b> 177024127800	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 137
<b>Public Info Code:</b> Y 09-SEP-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5534 / 4250	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 492	<b>Date of Summary:</b> 20-JAN-1998	<b>First Sample Examined:</b> 3180
<b>Lease Number:</b> G16195	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 6645
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 6056
<b>API Well Number:</b> 177024118500	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3180 - 6640	<b>Water Depth:</b> 142
<b>Public Info Code:</b> Y 31-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3180 / 2989	DEF AT first sample examined	DEF AT
3310 / 3101	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4150 / 3831	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
4330 / 3991	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
4720 / 4340	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6370 / 5811	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6640 / 6051	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 492  
 Lease Number: G16195  
 Well Name: 003  
 API Well Number: 177024118500  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 31-JUL-2001

Date of Summary: 22-JAN-1998  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: MCMORAN OIL & GAS CO  
 Sample Range: 3180 - 6640  
 Ecozone Eq MMS: Y

First Sample Examined: 3180  
 Borehole MD: 6645  
 Borehole TVD: 6056  
 Rkb Elevation: 75  
 Water Depth: 142  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3180 / 2989	DEF AT first sample examined	DEF AT 1
3940 / 3645	DEF AT faunal change (no faunal increase)	DEF AT 2
4660 / 4286	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
4780 / 4394	DEF AT faunal change (no faunal increase)	POS AT 3
5590 / 5120	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
6640 / 6051	DEF AT last sample examined	DEF AT 3



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 492	<b>Date of Summary:</b> 14-JAN-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16195	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6550
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5815
<b>API Well Number:</b> 177024118100	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 142
<b>Public Info Code:</b> Y 31-JUL-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3860 / 3599	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4730 / 4338	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5570 / 5009	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 494	<b>Date of Summary:</b> 09-AUG-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15097	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8846
<b>Well Name:</b> AJ001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7527
<b>API Well Number:</b> 177024127300	<b>Drilling Operator:</b> MATRIX OIL & GAS INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 145
<b>Public Info Code:</b> Y 15-OCT-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6903 / 5917	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 498	Date of Summary: 26-SEP-1995	First Sample Examined: 1275
Lease Number: G03520	Source of Paleo: OPERATOR	Borehole MD: 7010
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6555
API Well Number: 177024109000	Drilling Operator: HESS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 1275 - 7010	Water Depth: 160
Public Info Code: Y 19-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1275 / 1275	DEF AT first sample examined	DEF AT 2
1480 / 1480	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
3820 / 3818	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
4840 / 4764	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
4870 / 4789	DEF AT - - - - -	POS AT 3
5950 / 5717	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
6430 / 6102	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS AT 3
7010 / 6554	DEF AT last sample examined	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 498  
 Lease Number: G03520  
 Well Name: B003  
 API Well Number: 177024109000  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 19-SEP-2005

Date of Summary: 26-SEP-1995  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: HESS CORPORATION  
 Sample Range: 5800 - 10026  
 Ecozone Eq MMS: Y

First Sample Examined: 5800  
 Borehole MD: 7010  
 Borehole TVD: 6555  
 Rkb Elevation: 101  
 Water Depth: 160  
 Paleo ID: 002

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5800 / 5590	DEF AT first sample examined	POS AT 3
6070 / 5814	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
8140 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
10026 /	DEF AT last sample examined	POS AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 498  
 Lease Number: G03520  
 Well Name: B004  
 API Well Number: 177024109400  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 26-DEC-2005

Date of Summary: 04-DEC-1995  
 Source of Paleo: OPERATOR  
 Paleo Done By: PALEO-DATA, INC.  
 Drilling Operator: HESS CORPORATION  
 Sample Range: 1337 - 4400  
 Ecozone Eq MMS: Y

First Sample Examined: 1337  
 Borehole MD: 12124  
 Borehole TVD: 9838  
 Rkb Elevation: 101  
 Water Depth: 159  
 Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1337 / 1337	DEF AT first sample examined	DEF AT 2
1500 / 1500	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
2820 / 2671	DEF AT - - - - -	DEF AT 3
2850 / 2692	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
4400 / 3789	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 498  
Lease Number: G03520  
Well Name: B004  
API Well Number: 177024109400  
Paleo Report Num: 2 of 2  
Public Info Code: Y 26-DEC-2005

Date of Summary: 04-DEC-1995  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: HESS CORPORATION  
Sample Range: 3494 - 12124  
Ecozone Eq MMS: Y

First Sample Examined: 3494  
Borehole MD: 12124  
Borehole TVD: 9838  
Rkb Elevation: 101  
Water Depth: 159  
Paleo ID: 003

Remark: Redrill 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3494 / 3127	DEF AT first sample examined	DEF AT 3
5890 / 4939	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
10330 / 8460	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
11050 / 9026	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
12124 / 9838	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 498	<b>Date of Summary:</b> 29-AUG-2002	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15105	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11313
<b>Well Name:</b> D001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10302
<b>API Well Number:</b> 177024126200	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 164
<b>Public Info Code:</b> Y 26-JAN-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1655 / 1651	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4800 / 4474	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8190 / 7504	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10140 / 9257	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10680 / 9733	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10860 / 9893	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11070 / 10083	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 499	<b>Date of Summary:</b> 24-OCT-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15104	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9574
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7955
<b>API Well Number:</b> 177024110900	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 164
<b>Public Info Code:</b> Y 11-APR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4210 / 4007	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6280 / 5654	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8830 / 7515	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 499	<b>Date of Summary:</b> 05-MAR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15104	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9647
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7900
<b>API Well Number:</b> 177024126800	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 165
<b>Public Info Code:</b> Y 27-SEP-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5253 / 4878	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 504	<b>Date of Summary:</b> 08-FEB-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02006	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 6080
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 5534
<b>API Well Number:</b> 177024058001	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 147
<b>Public Info Code:</b> Y 27-OCT-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4240 / 3885	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5612 / 5111	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 504	Date of Summary: 26-FEB-1999	First Sample Examined: 0
Lease Number: G16201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9874
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 6679
API Well Number: 177024119700	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 153
Public Info Code: Y 29-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4940 / 3516	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 504	Date of Summary: 23-DEC-1998	First Sample Examined: 0
Lease Number: G16201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8714
Well Name: B006	Paleo Done By: OPERATOR	Borehole TVD: 6591
API Well Number: 177024122200	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 153
Public Info Code: Y 02-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5620 / 4472	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 505	<b>Date of Summary:</b> 04-DEC-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16200	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10172
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10084
<b>API Well Number:</b> 177024121700	<b>Drilling Operator:</b> LLOG EXPLORATION OFFSHORE LLC	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 133
<b>Public Info Code:</b> Y 07-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4190 / 4190	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9950 / 9525	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 505	<b>Date of Summary:</b> 14-JUN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16200	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10182
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9162
<b>API Well Number:</b> 177024128502	<b>Drilling Operator:</b> HESS CORPORATION	<b>Rkb Elevation:</b> 121
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 140
<b>Public Info Code:</b> Y 07-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5546 / 5541	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 507	<b>Date of Summary:</b> 20-JAN-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02549	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15275
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13000
<b>API Well Number:</b> 177024099000	<b>Drilling Operator:</b> XTO OFFSHORE INC	<b>Rkb Elevation:</b> 110
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 148
<b>Public Info Code:</b> Y 07-SEP-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 /11691	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
14970 /12613	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
15050 /12690	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 507	Date of Summary: 26-NOV-1997	First Sample Examined: 0
Lease Number: G02549	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13930
Well Name: B004	Paleo Done By: OPERATOR	Borehole TVD: 10927
API Well Number: 177024108202	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 148
Public Info Code: Y 23-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11150 / 9182	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 507	<b>Date of Summary:</b> 14-MAY-2002	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G02549	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10800
<b>Well Name:</b> C001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10800
<b>API Well Number:</b> 177024130300	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5000 - 10800	<b>Water Depth:</b> 145
<b>Public Info Code:</b> Y 06-JUN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 2
5090 / 5090	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
5750 / 5749	DEF AT -----	POS AT 3
6380 / 6379	DEF AT -----	POS AT 2
7460 / 7459	DEF AT -----	DEF AT 3
7910 / 7909	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
10800 /10798	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 513	<b>Date of Summary:</b> 20-FEB-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16202	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15691
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13805
<b>API Well Number:</b> 177024126901	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 172
<b>Public Info Code:</b> Y 29-MAR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4850 / 4850	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8440 / 8411	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8630 / 8584	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9350 / 9192	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9740 / 9512	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10635 /10242	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12175 /11369	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
12920 /11864	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13980 /12579	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14580 /12993	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15120 /13382	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

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End Date: 01-DEC-2016

<b>Area Block:</b> WC 515	<b>Date of Summary:</b> 01-MAR-1999	<b>First Sample Examined:</b> 3460
<b>Lease Number:</b> G15102	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13159
<b>Well Name:</b> A001	<b>Paleo Done By:</b> MICRO-STRAT	<b>Borehole TVD:</b> 12795
<b>API Well Number:</b> 177024123400	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3460 - 13160	<b>Water Depth:</b> 172
<b>Public Info Code:</b> Y 18-AUG-2005	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 002

**Remark:** Consultant-integrated foram and nanno report, paleobathymetry generalized - from 3460 to 10169, depositional environments range from inner to outer neritic, from 10170 to 13160, paleobathymetry ranges from upper to middle bathyal, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3460 / 3460	DEF AT first sample examined	POS AT 3
4000 / 4000	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 3
4240 / 4240	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 3
4630 / 4630	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	POS AT 3
5320 / 5320	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 3
5890 / 5890	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 3
8469 / 8469	POS AT Upper Pliocene (Gelasian) Discoaster surculus	POS AT 3
8470 / 8470	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 3
8800 / 8800	DEF AT local marker foram decrease	POS AT 3
9990 / 9990	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	POS AT 3
9991 / 9991	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	POS AT 3
10170 /10170	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
10380 /10380	DEF AT Lower Pliocene (Zanclian) Discoaster intercalaris	DEF AT 4
11190 /11187	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11280 /11275	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 4
12150 /12082	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 4
12210 /12133	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13130 /12778	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 515	<b>Date of Summary:</b> 03-OCT-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15102	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14295
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12852
<b>API Well Number:</b> 177024126500	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 172
<b>Public Info Code:</b> Y 18-AUG-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7440 / 7440	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10035 /10029	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12155 /11607	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13100 /12162	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 515	<b>Date of Summary:</b> 25-JAN-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15103	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15610
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14929
<b>API Well Number:</b> 177024124100	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 172
<b>Public Info Code:</b> Y 27-JAN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11158 /10700	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12120 /11489	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12790 /12112	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
13270 /12590	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15010 /14329	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15520 /14839	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 515	Date of Summary: 09-JAN-2001	First Sample Examined: 5320
Lease Number: G15103	Source of Paleo: OPERATOR	Borehole MD: 13434
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 12567
API Well Number: 177024127400	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 144
Paleo Report Num: 1 of 2	Sample Range: 5320 - 13434	Water Depth: 172
Public Info Code: Y 27-JAN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5320 / 5318	DEF AT first sample examined	DEF AT 2
5340 / 5338	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
5880 / 5878	DEF AT -----	DEF AT 3
7500 / 7498	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
10170 / 9942	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10200 / 9965	DEF AT -----	DEF AT 4
10710 /10369	DEF AT -----	DEF AT 5
12570 /11839	DEF AT -----	DEF AT 6
12960 /12155	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13290 /12440	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13434 /12567	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 515	Date of Summary: 09-JAN-2001	First Sample Examined: 5320
Lease Number: G15103	Source of Paleo: OPERATOR	Borehole MD: 13434
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 12567
API Well Number: 177024127400	Drilling Operator: EP ENERGY MANAGEMENT LLC	Rkb Elevation: 144
Paleo Report Num: 2 of 2	Sample Range: 5320 - 13434	Water Depth: 172
Public Info Code: Y 27-JAN-2006	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5320 / 5318	DEF AT first sample examined	DEF AT
5880 / 5878	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10170 / 9942	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10229 / 9988	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10230 / 9989	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11490 /10989	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13230 /12387	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13290 /12440	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13434 /12567	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 516	<b>Date of Summary:</b> 28-MAR-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15103	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15148
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14956
<b>API Well Number:</b> 177024125200	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 171
<b>Public Info Code:</b> Y 27-JAN-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7180 / 7179	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11618 /11617	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12218 /12212	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
12826 /12789	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 521	<b>Date of Summary:</b> 15-DEC-1995	<b>First Sample Examined:</b> 3350
<b>Lease Number:</b> G15107	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 4742
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 4742
<b>API Well Number:</b> 177024110300	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3350 - 4742	<b>Water Depth:</b> 185
<b>Public Info Code:</b> Y 26-MAY-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3350 / 3350	DEF AT first sample examined	DEF AT 2
3680 / 3680	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 2
3740 / 3740	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	POS AT 3
4160 / 4160	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 3
4250 / 4250	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 3
4728 / 4728	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
4729 / 4729	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
4730 / 4730	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
4742 / 4742	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 521	<b>Date of Summary:</b> 10-DEC-1995	<b>First Sample Examined:</b> 4170
<b>Lease Number:</b> G15107	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 10271
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8707
<b>API Well Number:</b> 177024110400	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 98
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4170 - 10270	<b>Water Depth:</b> 177
<b>Public Info Code:</b> Y 26-MAY-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4170 / 4000	DEF AT first sample examined	DEF IN 3
4300 / 4122	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 3
6100 / 5791	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
9610 / 8319	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10270 / 8708	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 522	Date of Summary: 26-APR-1995	First Sample Examined: 1050
Lease Number: G14340	Source of Paleo: OPERATOR	Borehole MD: 8920
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 4198
API Well Number: 177024108500	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 1050 - 8030	Water Depth: 177
Public Info Code: Y 23-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1050 / 1050	DEF AT first sample examined	DEF AT 2
1649 / 1649	DEF AT local marker planktic foram increase	DEF AT 2
1650 / 1650	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
2610 / 2606	DEF AT local marker benthic foram increase	DEF AT 3
2940 / 2930	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
3540 / 3488	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
3930 / 3800	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
3990 / 3844	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
4230 / 4015	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 3
4860 / 4427	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
6360 / 5423	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
7440 / 6136	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
8030 / 6581	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 524	<b>Date of Summary:</b> 26-AUG-1996	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14341	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10110
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8688
<b>API Well Number:</b> 177024108800	<b>Drilling Operator:</b> UMC PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 185
<b>Public Info Code:</b> Y 21-AUG-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 6363	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 526  
 Lease Number: G15108  
 Well Name: A001  
 API Well Number: 177024125300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-AUG-2001

Date of Summary: 20-JUN-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: EP ENERGY MANAGEMENT LLC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 15842  
 Borehole TVD: 13587  
 Rkb Elevation: 91  
 Water Depth: 180  
 Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7663 / 7663	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10857 /10634	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11582 /11105	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
13304 /12114	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 528	<b>Date of Summary:</b> 23-DEC-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16202	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11249
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10424
<b>API Well Number:</b> 177024116501	<b>Drilling Operator:</b> DEVON LOUISIANA CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 167
<b>Public Info Code:</b> Y 29-MAR-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7495 / 7261	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10142 / 9508	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 528	Date of Summary: 08-DEC-1998	First Sample Examined: 0
Lease Number: G16202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10727
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10315
API Well Number: 177024119000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 167
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10142 / 9806	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 528	Date of Summary: 31-JUL-1998	First Sample Examined: 0
Lease Number: G16202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14733
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10110
API Well Number: 177024119901	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 167
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14558 / 9985	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 538	<b>Date of Summary:</b> 28-MAR-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G02551	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12077
<b>Well Name:</b> A007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11651
<b>API Well Number:</b> 177024068201	<b>Drilling Operator:</b> EP ENERGY MANAGEMENT LLC	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 186
<b>Public Info Code:</b> Y 27-JAN-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6356	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10486 /10081	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 540	<b>Date of Summary:</b> 30-APR-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15110	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7494
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6301
<b>API Well Number:</b> 177024115900	<b>Drilling Operator:</b> EQUITABLE PRODUCTION COMPANY	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 185
<b>Public Info Code:</b> Y 15-JUN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4520 / 4022	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4840 / 4270	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6815 / 5775	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 540	<b>Date of Summary:</b> 07-MAY-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15110	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7400
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 6272
<b>API Well Number:</b> 177024116700	<b>Drilling Operator:</b> EQUITABLE PRODUCTION COMPANY	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 185
<b>Public Info Code:</b> Y 05-JUL-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4590 / 4085	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 540	Date of Summary: 28-AUG-1998	First Sample Examined: 0
Lease Number: G15110	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12265
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 10651
API Well Number: 177024120700	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 185
Public Info Code: Y 12-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11670 /10115	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 542	<b>Date of Summary:</b> 12-DEC-1995	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G03970	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11000
<b>Well Name:</b> B002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9941
<b>API Well Number:</b> 177024109300	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 111
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 186
<b>Public Info Code:</b> Y 23-MAY-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7853 / 7166	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10031 / 9117	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 544	Date of Summary: 05-SEP-1995	First Sample Examined: 0
Lease Number: G14342	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9446
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8325
API Well Number: 177024107100	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 182
Public Info Code: Y 18-OCT-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2720 / 2719	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4575 / 4518	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8795 / 7839	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 544	<b>Date of Summary:</b> 23-SEP-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G14342	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 8506
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8023
<b>API Well Number:</b> 177024107700	<b>Drilling Operator:</b> PETSEC ENERGY INC	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 181
<b>Public Info Code:</b> Y 18-NOV-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2720 / 2719	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4630 / 4590	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7900 / 7481	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 552	<b>Date of Summary:</b> 19-MAY-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13850	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10300
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9750
<b>API Well Number:</b> 177024106200	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 191
<b>Public Info Code:</b> Y 01-JUN-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1810 / 1810	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6850 / 6770	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7690 / 7487	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8012 / 7765	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 554	<b>Date of Summary:</b> 28-NOV-1990	<b>First Sample Examined:</b> 9770
<b>Lease Number:</b> G07629	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14328
<b>Well Name:</b> A004	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 13177
<b>API Well Number:</b> 177024100600	<b>Drilling Operator:</b> UNION TEXAS PETROLEUM CORP	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9770 - 14150	<b>Water Depth:</b> 194
<b>Public Info Code:</b> Y 20-DEC-2000	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 9136	DEF AT first sample examined	DEF IN 3
11900 /11087	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
13640 /12722	DEF AT local marker planktic foram increase	DEF AT 4
14150 /13209	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 554	Date of Summary: 28-NOV-1990	First Sample Examined: 9770
Lease Number: G07629	Source of Paleo: OPERATOR	Borehole MD: 14328
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13177
API Well Number: 177024100600	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 9770 - 14150	Water Depth: 194
Public Info Code: Y 20-DEC-2000	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 9136	DEF AT first sample examined	DEF AT
9771 / 9137	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14150 /13209	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 554	Date of Summary: 04-JAN-1993	First Sample Examined: 9000
Lease Number: G07629	Source of Paleo: OPERATOR	Borehole MD: 14601
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11750
API Well Number: 177024103900	Drilling Operator: LLECO HOLDINGS INC.	Rkb Elevation: 120
Paleo Report Num: 1 of 2	Sample Range: 9000 - 14580	Water Depth: 194
Public Info Code: Y 01-JAN-2003	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, samples examined at 90' intervals, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 7268	DEF AT first sample examined	DEF AT
9001 / 7269	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14580 / 11731	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 554	<b>Date of Summary:</b> 05-JAN-1993	<b>First Sample Examined:</b> 9000
<b>Lease Number:</b> G07629	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14601
<b>Well Name:</b> A006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11750
<b>API Well Number:</b> 177024103900	<b>Drilling Operator:</b> LLECO HOLDINGS INC.	<b>Rkb Elevation:</b> 120
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9000 - 14610	<b>Water Depth:</b> 194
<b>Public Info Code:</b> Y 01-JAN-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 7268	DEF AT first sample examined	DEF AT 3
9510 / 7673	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
12840 /10276	DEF AT Eggerella 3 (local marker)	DEF IN 3
12930 /10350	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
13020 /10425	DEF AT Bathysiphon fauna	DEF AT 4
14610 /	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 557	<b>Date of Summary:</b> 28-APR-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G05391	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16335
<b>Well Name:</b> C008	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15068
<b>API Well Number:</b> 177024103100	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 125
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 200
<b>Public Info Code:</b> Y 25-APR-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11730 /10916	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 557	<b>Date of Summary:</b> 16-JUL-2004	<b>First Sample Examined:</b> 17230
<b>Lease Number:</b> G05391	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19818
<b>Well Name:</b> C010	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16835
<b>API Well Number:</b> 177024132102	<b>Drilling Operator:</b> MILLENNIUM OFFSHORE GROUP INC	<b>Rkb Elevation:</b> 135
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17230 - 19780	<b>Water Depth:</b> 203
<b>Public Info Code:</b> Y 18-AUG-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17230 /14628	DEF AT first sample examined	DEF AT 3
17231 /14629	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
17960 /15242	DEF AT faunal change (no faunal increase)	DEF AT 2
18470 /15668	DEF AT faunal change (no faunal increase)	DEF AT 3
18830 /15981	DEF AT faunal change (no faunal increase)	DEF AT 2
19780 /16803	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 564	Date of Summary: 02-AUG-1997	First Sample Examined: 4020
Lease Number: G24767	Source of Paleo: OPERATOR	Borehole MD: 9944
Well Name: CA012	Paleo Done By: OPERATOR	Borehole TVD: 6701
API Well Number: 177024113600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 4020 - 9944	Water Depth: 189
Public Info Code: Y 04-OCT-2002	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 3522	DEF AT first sample examined	DEF AT 1
5970 / 4521	DEF AT faunal change (no faunal increase)	DEF AT 3
6000 / 4537	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6600 / 4867	DEF AT faunal change (no faunal increase)	DEF AT 4
6960 / 5073	DEF AT faunal change (no faunal increase)	DEF AT 3
8730 / 6074	DEF AT faunal change (no faunal increase)	DEF AT 4
9944 / 6701	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 564	Date of Summary: 09-APR-2001	First Sample Examined: 0
Lease Number: G24767	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7885
Well Name: CA013	Paleo Done By: OPERATOR	Borehole TVD: 7226
API Well Number: 177024127000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 186
Public Info Code: Y 04-OCT-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6870 / 6499	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 567	<b>Date of Summary:</b> 07-AUG-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15115	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 7212
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 7212
<b>API Well Number:</b> 177024120900	<b>Drilling Operator:</b> APACHE CORPORATION	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 204
<b>Public Info Code:</b> Y 31-AUG-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5400 / 5400	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 567	Date of Summary: 10-SEP-1998	First Sample Examined: 0
Lease Number: G15115	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7675
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 7675
API Well Number: 177024121100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 206
Public Info Code: Y 31-AUG-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6155 / 6155	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 567	<b>Date of Summary:</b> 13-MAY-2004	<b>First Sample Examined:</b> 7980
<b>Lease Number:</b> G24765	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12248
<b>Well Name:</b> A001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12243
<b>API Well Number:</b> 177024132200	<b>Drilling Operator:</b> GRYPHON EXPLORATION COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7980 - 12240	<b>Water Depth:</b> 201
<b>Public Info Code:</b> Y 22-OCT-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7979	DEF AT first sample examined	POS AT 3
8040 / 8039	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
8760 / 8759	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9480 / 9477	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
9690 / 9687	DEF AT faunal change (no faunal increase)	DEF AT 3
10560 /10556	DEF AT faunal change (no faunal increase)	DEF AT 4
10830 /10826	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
12240 /12235	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 576  
Lease Number: G02019  
Well Name: 002  
API Well Number: 177024003700  
Paleo Report Num: 1 of 1  
Public Info Code: Y 28-APR-2002

Date of Summary: 22-SEP-1978  
Source of Paleo: MINERALS MANAGEMENT SERVICE  
Paleo Done By: JIM COOKE  
Drilling Operator: TEXACO INC  
Sample Range: 990 - 10120  
Ecozone Eq MMS: Y

First Sample Examined: 990  
Borehole MD: 10090  
Borehole TVD: 10090  
Rkb Elevation: 93  
Water Depth: 201  
Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
990 /	DEF AT first sample examined	DEF IN 2
1510 /	POS IN Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 2
1750 /	DEF AT local marker foram increase	DEF AT 3
1830 /	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
3330 /	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS AT 4
4890 /	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
5255 /	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
5345 /	DEF AT local marker benthic foram increase	DEF AT 4
5966 /	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9353 /	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9525 /	DEF AT local marker deep water fauna	DEF AT 5
9829 /	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
10120 /	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 579	<b>Date of Summary:</b> 01-APR-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16208	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15104
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15097
<b>API Well Number:</b> 177024114200	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 221
<b>Public Info Code:</b> Y 31-AUG-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6640 / 6640	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8620 / 8618	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 580	Date of Summary: 01-SEP-1995	First Sample Examined: 10480
Lease Number: G12803	Source of Paleo: OPERATOR	Borehole MD: 18018
Well Name: A002	Paleo Done By: EXCALIBER INTERPRETATIONS CO.	Borehole TVD: 17623
API Well Number: 177024108600	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 43
Paleo Report Num: 1 of 2	Sample Range: 10480 - 18010	Water Depth: 240
Public Info Code: Y 28-SEP-2005	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10480 /10480	DEF AT first sample examined	DEF AT
10810 /10810	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10900 /10900	DEF AT local marker floral decrease	DEF AT
11109 /11108	DEF AT local marker floral increase	DEF AT
11110 /11109	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11290 /11289	DEF AT local marker floral decrease	DEF AT
12070 /12069	DEF AT local marker floral increase	DEF AT
12100 /12099	DEF AT local marker floral decrease	DEF AT
12999 /12970	POS AT reworked material	DEF AT
13000 /12970	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13270 /13212	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18010 /17615	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 580	Date of Summary: 13-SEP-1995	First Sample Examined: 3010
Lease Number: G12803	Source of Paleo: OPERATOR	Borehole MD: 18018
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17623
API Well Number: 177024108600	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 43
Paleo Report Num: 2 of 2	Sample Range: 3010 - 18018	Water Depth: 240
Public Info Code: Y 28-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 5560=Glomospira charoides

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3010 / 3010	DEF AT first sample examined	DEF IN 2
3011 / 3011	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
3460 / 3460	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 2
4150 / 4150	POS AT reworked material	DEF IN 2
5200 / 5200	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 2
5560 / 5560	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 3
5830 / 5830	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
6610 / 6610	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 3
7359 / 7359	POS AT condensed section	DEF IN 3
7360 / 7360	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF IN 3
7390 / 7390	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 3
7510 / 7510	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 3
7590 / 7590	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 3
8290 / 8290	DEF AT - - - - -	POS IN 3
8710 / 8710	DEF AT - - - - -	POS IN 3
10780 /10780	DEF AT Cyclammina sp. (local marker)	DEF AT 4
10810 /10810	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 3
11110 /11109	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14020 /13831	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14260 /14009	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14890 /14554	DEF IN Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
15220 /14879	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 580	<b>Date of Summary:</b> 13-SEP-1995	<b>First Sample Examined:</b> 3010
<b>Lease Number:</b> G12803	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18018
<b>Well Name:</b> A002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17623
<b>API Well Number:</b> 177024108600	<b>Drilling Operator:</b> PENNZENERGY COMPANY	<b>Rkb Elevation:</b> 43
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3010 - 18018	<b>Water Depth:</b> 240
<b>Public Info Code:</b> Y 28-SEP-2005	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15250 /14909	DEF AT local marker foram decrease	DEF AT 4
16360 /15994	DEF AT local marker foram increase	POS AT 4
16540 /16170	DEF AT transported shelf fauna	POS AT 4
17950 /17556	DEF AT - - - - -	POS AT 4
18018 /17623	DEF AT last sample examined	POS AT 4



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 581	<b>Date of Summary:</b> 21-AUG-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15117	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16335
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16053
<b>API Well Number:</b> 177024119100	<b>Drilling Operator:</b> PENNZOIL EXPLORATION AND PRODUCTION COMPAN'	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 247
<b>Public Info Code:</b> Y 30-JUN-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12990 /12989	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT
15480 /15326	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 593	<b>Date of Summary:</b> 17-JAN-2007	<b>First Sample Examined:</b> 7900
<b>Lease Number:</b> G02023	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12849
<b>Well Name:</b> 005	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12843
<b>API Well Number:</b> 177024182300	<b>Drilling Operator:</b> NEWFIELD EXPLORATION COMPANY	<b>Rkb Elevation:</b> 108
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7900 - 12400	<b>Water Depth:</b> 253
<b>Public Info Code:</b> Y 19-NOV-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7900 / 7900	DEF AT first sample examined	DEF IN 3
8560 / 8560	DEF AT -----	DEF AT 2
9220 / 9219	DEF AT -----	DEF AT 3
9250 / 9249	DEF AT -----	DEF AT 4
9400 / 9399	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
9520 / 9519	DEF AT -----	DEF AT 3
10780 /10777	DEF AT -----	DEF AT 4
10810 /10807	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
10840 /10837	DEF AT -----	DEF AT 3
12400 /12394	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 598	Date of Summary: 13-JAN-1998	First Sample Examined: 5330
Lease Number: G17815	Source of Paleo: OPERATOR	Borehole MD: 10851
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9809
API Well Number: 177024117700	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 5330 - 10850	Water Depth: 256
Public Info Code: Y 15-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5330 / 5048	DEF AT first sample examined	POS AT 3
5331 / 5049	DEF AT cement	POS AT 3
5600 / 5277	DEF AT local marker benthic foram increase	DEF AT 3
5660 / 5328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
5930 / 5556	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
6920 / 6387	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
7670 / 7012	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
7970 / 7261	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
8000 / 7286	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
8030 / 7311	DEF AT local marker benthic foram increase	DEF AT 3
8090 / 7362	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
9290 / 8393	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 3
9620 / 8689	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
9740 / 8798	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
9859 / 8905	DEF AT pyrite	DEF AT 4
9860 / 8906	DEF AT local marker benthic foram increase	DEF AT 4
10850 / 9808	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 598	<b>Date of Summary:</b> 23-FEB-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G17815	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 9811
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 9373
<b>API Well Number:</b> 177024118601	<b>Drilling Operator:</b> EOG RESOURCES INC	<b>Rkb Elevation:</b> 94
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 260
<b>Public Info Code:</b> Y 22-FEB-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7032 / 6839	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7344 / 7116	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8826 / 8464	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 600	Date of Summary: 27-DEC-1996	First Sample Examined: 0
Lease Number: G12807	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16233
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13470
API Well Number: 177024113000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 279
Public Info Code: Y 19-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10540 /10399	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 600	Date of Summary: 15-SEP-2000	First Sample Examined: 0
Lease Number: G12807	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13733
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 12694
API Well Number: 177024126300	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 273
Public Info Code: Y 19-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13187 /12216	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 603  
 Lease Number: G16215  
 Well Name: 001  
 API Well Number: 177024113400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 31-AUG-2001

Date of Summary: 17-JAN-1997  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: MURPHY EXPLORATION & PRODUCTIO  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 15121  
 Borehole TVD: 15103  
 Rkb Elevation: 100  
 Water Depth: 283  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3120 / 3120	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
10380 /10380	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
13020 /13016	POS AT Pliocene	DEF AT
13067 /13062	DEF AT salt	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 610	<b>Date of Summary:</b> 24-JAN-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16216	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11667
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11644
<b>API Well Number:</b> 177024113700	<b>Drilling Operator:</b> CAIRN ENERGY USA LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 278
<b>Public Info Code:</b> Y 25-JAN-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7080 / 7079	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8700 / 8699	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 610	<b>Date of Summary:</b> 28-AUG-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16216	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10903
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 8697
<b>API Well Number:</b> 177024129100	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 288
<b>Public Info Code:</b> Y 21-AUG-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4827 / 4824	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 613	<b>Date of Summary:</b> 02-FEB-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16218	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13632
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12570
<b>API Well Number:</b> 177024126702	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 127
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 284
<b>Public Info Code:</b> Y 01-MAY-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5428 / 5428	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
8580 / 8512	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
11384 / 10909	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 613	<b>Date of Summary:</b> 02-FEB-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G21059	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13005
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13005
<b>API Well Number:</b> 177024124600	<b>Drilling Operator:</b> WESTPORT OIL AND GAS COMPANY LP	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 288
<b>Public Info Code:</b> Y 27-DEC-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5400 / 5400	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
8190 / 8190	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10590 /10589	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
12930 /12925	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 614	Date of Summary: 09-MAY-1997	First Sample Examined: 0
Lease Number: G16218	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7505
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7503
API Well Number: 177024115400	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 300
Public Info Code: Y 01-MAY-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4270 / 4269	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6500 / 6499	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 19-JUN-1996	<b>First Sample Examined:</b> 4020
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14603
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11440
<b>API Well Number:</b> 177024111800	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4020 - 14603	<b>Water Depth:</b> 305
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 4020	DEF AT first sample examined	POS AT 3
5520 / 5520	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
14603 /11440	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 19-JUN-1996	<b>First Sample Examined:</b> 4020
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14603
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11440
<b>API Well Number:</b> 177024111800	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 4020 - 14603	<b>Water Depth:</b> 305
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4020 / 4020	DEF AT first sample examined	DEF AT
4200 / 4200	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4980 / 4980	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6990 / 6954	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14603 / 11440	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 3500
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11721
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 177024117300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 8	<b>Sample Range:</b> 3500 - 11750	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT 3
6140 / 6122	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
11750 /	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 10100
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11721
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 177024117300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 8	<b>Sample Range:</b> 10100 - 11570	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Bypass 1 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 / 9279	DEF AT first sample examined	DEF AT 3
11570 /10158	DEF AT last sample examined	DEF AT 3



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 10970
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11721
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 177024117300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 3 of 8	<b>Sample Range:</b> 10970 - 12050	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Bypass 2 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10970 / 9813	DEF AT first sample examined	DEF AT 3
12050 /	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 10970
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11721
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 177024117300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 4 of 8	<b>Sample Range:</b> 10970 - 12270	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 005

**Remark:** Bypass 3 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10970 / 9813	DEF AT first sample examined	DEF AT 3
12270 /	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 3500
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11721
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 177024117300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 5 of 8	<b>Sample Range:</b> 3500 - 11750	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 006

**Remark:** Original hole nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT
3501 / 3501	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7370 / 7317	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11750 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 10100
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11721
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 177024117300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 6 of 8	<b>Sample Range:</b> 10100 - 11570	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 007

**Remark:** Calcareous nannofossil report for bypass 1, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 / 9279	DEF AT first sample examined	DEF AT
11570 /10158	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 10970
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11721
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 177024117300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 7 of 8	<b>Sample Range:</b> 10970 - 12080	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 008

**Remark:** Calcareous nannofossil report for bypass 2, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10970 / 9813	DEF AT first sample examined	DEF AT
12080 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 02-DEC-1997	<b>First Sample Examined:</b> 10970
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 11721
<b>Well Name:</b> 003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10246
<b>API Well Number:</b> 177024117300	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 8 of 8	<b>Sample Range:</b> 10970 - 12270	<b>Water Depth:</b> 300
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 009

**Remark:** Bypass 3 calcareous nannofossil report, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10970 / 9813	DEF AT first sample examined	DEF AT
12270 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 15-JAN-1998	<b>First Sample Examined:</b> 10010
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12768
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11120
<b>API Well Number:</b> 177024118000	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10010 - 12768	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 / 9098	DEF AT first sample examined	DEF AT 2
10011 / 9099	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
12768 /11120	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 15-JAN-1998	<b>First Sample Examined:</b> 10010
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12768
<b>Well Name:</b> A002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 11120
<b>API Well Number:</b> 177024118000	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10010 - 12768	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 / 9098	DEF AT first sample examined	DEF AT
10011 / 9099	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12768 /11120	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 06-MAR-1998	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15676
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10771
<b>API Well Number:</b> 177024119200	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8010 - 15676	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6282	DEF AT first sample examined	DEF AT 3
8011 / 6283	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
15676 /10771	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 616	<b>Date of Summary:</b> 06-MAR-1998	<b>First Sample Examined:</b> 8010
<b>Lease Number:</b> G12808	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15676
<b>Well Name:</b> A003	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 10771
<b>API Well Number:</b> 177024119200	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8010 - 15676	<b>Water Depth:</b> 297
<b>Public Info Code:</b> Y 14-SEP-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6282	DEF AT first sample examined	DEF AT
8011 / 6283	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9540 / 7159	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
15676 /10771	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 617	<b>Date of Summary:</b> 26-MAY-1998	<b>First Sample Examined:</b> 3930
<b>Lease Number:</b> G13852	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9670
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7926
<b>API Well Number:</b> 177024120500	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3930 - 9660	<b>Water Depth:</b> 299
<b>Public Info Code:</b> Y 13-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3930 / 3669	DEF AT first sample examined	POS AT 3
4500 / 4099	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6120 / 5348	DEF AT sample gap top	POS AT 3
6210 / 5417	DEF AT sample gap bottom	DEF AT 3
6510 / 5642	DEF AT sample gap top	POS AT 3
6660 / 5754	DEF AT sample gap bottom	DEF AT 3
9150 / 7583	DEF AT faunal change (no faunal increase)	DEF AT 2
9660 / 7919	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 617	<b>Date of Summary:</b> 26-MAY-1998	<b>First Sample Examined:</b> 3930
<b>Lease Number:</b> G13852	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9670
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 7926
<b>API Well Number:</b> 177024120500	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3930 - 9660	<b>Water Depth:</b> 299
<b>Public Info Code:</b> Y 13-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3930 / 3669	DEF AT first sample examined	DEF AT
3931 / 3670	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9660 / 7919	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 617	<b>Date of Summary:</b> 30-APR-1998	<b>First Sample Examined:</b> 3500
<b>Lease Number:</b> G13852	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9907
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8732
<b>API Well Number:</b> 177024120100	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 3500 - 9890	<b>Water Depth:</b> 299
<b>Public Info Code:</b> Y 19-MAY-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	POS AT 3
4190 / 4190	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
8780 / 8062	DEF AT - - - - -	DEF AT 2
9890 / 8729	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 617	<b>Date of Summary:</b> 30-APR-1998	<b>First Sample Examined:</b> 3510
<b>Lease Number:</b> G13852	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 9907
<b>Well Name:</b> B001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 8732
<b>API Well Number:</b> 177024120100	<b>Drilling Operator:</b> MCMORAN OIL & GAS CO	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 3510 - 9890	<b>Water Depth:</b> 299
<b>Public Info Code:</b> Y 19-MAY-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF AT
4040 / 4040	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9890 / 8729	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 631	<b>Date of Summary:</b> 28-APR-1997	<b>First Sample Examined:</b> 5000
<b>Lease Number:</b> G15120	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15691
<b>Well Name:</b> 002	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 14618
<b>API Well Number:</b> 177024114900	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5000 - 15691	<b>Water Depth:</b> 330
<b>Public Info Code:</b> Y 10-OCT-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 3
5001 / 5001	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6080 / 6079	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF IN 3
6560 / 6559	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 3
9470 / 9464	DEF AT Eggerella sp. (local marker)	DEF AT 4
13370 /12628	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
14210 /13300	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
15691 /14618	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WC 631	<b>Date of Summary:</b> 03-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G15120	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12526
<b>Well Name:</b> A003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11006
<b>API Well Number:</b> 177024115200	<b>Drilling Operator:</b> MURPHY EXPLORATION & PRODUCTIO	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 325
<b>Public Info Code:</b> Y 10-OCT-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11700 /10320	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12495 /10979	DEF AT salt	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 638  
Lease Number: G15124  
Well Name: 001  
API Well Number: 177024116900  
Paleo Report Num: 1 of 1  
Public Info Code: Y 27-SEP-2007

Date of Summary: 17-SEP-1997  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: KERR-MCGEE CORPORATION  
Sample Range: 3530 - 11000  
Ecozone Eq MMS: Y

First Sample Examined: 3530  
Borehole MD: 11000  
Borehole TVD: 10999  
Rkb Elevation: 85  
Water Depth: 373  
Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
3530 / 3530	DEF AT first sample examined	POS	AT	3
3531 / 3531	DEF IN cement	POS	AT	3
3590 / 3590	DEF AT - - - - -	DEF	AT	3
4070 / 4070	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	3
4340 / 4340	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
9110 / 9110	DEF AT local marker deep water fauna	DEF	AT	4
9230 / 9230	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	AT	4
9530 / 9530	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	4
9830 / 9829	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	AT	4
11000 /10999	DEF AT last sample examined	DEF	AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WC 661	Date of Summary: 21-AUG-1997	First Sample Examined: 0
Lease Number: G16221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12859
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10416
API Well Number: 177024115700	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 462
Public Info Code: Y 30-JUN-2001	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3540 / 3540	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
11170 / 8738	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 17	Date of Summary: 29-DEC-1994	First Sample Examined: 0
Lease Number: G05668	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15515
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15513
API Well Number: 177194059500	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 53
Public Info Code: Y 10-JUL-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14985 /14982	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 27	<b>Date of Summary:</b> 03-FEB-1994	<b>First Sample Examined:</b> 7000
<b>Lease Number:</b> G04473	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 14791
<b>Well Name:</b> A010	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12594
<b>API Well Number:</b> 177194056500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 127
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 7000 - 14791	<b>Water Depth:</b> 35
<b>Public Info Code:</b> Y 11-DEC-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6434	DEF AT first sample examined	DEF AT 1
8020 / 7262	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
9460 / 8396	DEF AT - - - - -	DEF AT 3
10720 / 9309	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 3
14490 / 12326	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 3
14791 / 12594	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 28  
 Lease Number: 00384  
 Well Name: 014  
 API Well Number: 177194053400  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 07-MAR-2001

Date of Summary: 29-AUG-1991  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 4000 - 9633  
 Ecozone Eq MMS: Y

First Sample Examined: 6010  
 Borehole MD: 9639  
 Borehole TVD: 9260  
 Rkb Elevation: 118  
 Water Depth: 35  
 Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6010 / 6009	DEF AT first sample examined	DEF AT 1
6880 / 6879	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 1
7480 / 7476	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 1
7570 / 7564	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 1
9250 / 8954	DEF AT - - - - -	DEF IN 2
9430 / 9095	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 2
9633 / 9255	DEF AT last sample examined	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 29	Date of Summary: 11-AUG-1994	First Sample Examined: 7135
Lease Number: 00385	Source of Paleo: OPERATOR	Borehole MD: 7675
Well Name: C009	Paleo Done By: OPERATOR	Borehole TVD: 6980
API Well Number: 177190009802	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 69
Paleo Report Num: 1 of 1	Sample Range: 7135 - 7625	Water Depth: 40
Public Info Code: Y 31-MAR-2004	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7135 / 6487	DEF AT first sample examined	DEF AT 1
7190 / 6537	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 1
7280 / 6619	DEF AT - - - - -	DEF AT 2
7370 / 6700	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
7625 / 6934	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 39	<b>Date of Summary:</b> 18-DEC-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16469	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 10700
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10700
<b>API Well Number:</b> 177194066000	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 82
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3200 / 3200	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8580 / 8579	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9110 / 9109	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 41	Date of Summary: 10-JUN-2004	First Sample Examined: 4030
Lease Number: G01073	Source of Paleo: OPERATOR	Borehole MD: 15493
Well Name: 002	Paleo Done By: PALEO SOURCE	Borehole TVD: 15489
API Well Number: 177194072100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 4030 - 15490	Water Depth: 102
Public Info Code: Y 19-FEB-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4030 / 4030	DEF AT first sample examined	POS AT 1
4031 / 4031	DEF AT reworked material	POS AT 1
4570 / 4570	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
4690 / 4690	DEF AT local marker foram decrease	POS AT 1
5259 / 5259	POS AT reworked material	POS AT 1
5260 / 5260	POS AT local marker foram increase	POS AT 1
5410 / 5410	DEF AT local marker foram decrease	POS AT 1
6970 / 6970	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
7030 / 7030	DEF AT local marker foram decrease	POS AT 1
7360 / 7360	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
7930 / 7930	DEF AT reworked material	DEF AT 2
8200 / 8200	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
8530 / 8530	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
9070 / 9070	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 3
9640 / 9640	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	POS AT 3
9850 / 9850	DEF AT Upper Miocene (Tortonian) Cyclamina 3	DEF IN 4
10300 /10300	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
10600 /10600	DEF AT local marker foram decrease	DEF AT 5
11860 /11860	DEF AT local marker foram increase	DEF AT 5
12610 /12610	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
12850 /12850	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 5
13300 /13299	DEF AT Eggerella sp. (local marker)	DEF IN 5

**This report contains public paleo reports only for the time period stated**



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 41	<b>Date of Summary:</b> 10-JUN-2004	<b>First Sample Examined:</b> 4030
<b>Lease Number:</b> G01073	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15493
<b>Well Name:</b> 002	<b>Paleo Done By:</b> PALEO SOURCE	<b>Borehole TVD:</b> 15489
<b>API Well Number:</b> 177194072100	<b>Drilling Operator:</b> APACHE CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 4030 - 15490	<b>Water Depth:</b> 102
<b>Public Info Code:</b> Y 19-FEB-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13810 /13809	DEF AT local marker foram increase	DEF IN 5
14080 /14079	POS AT unconformity	DEF IN 5
14739 /14737	DEF AT deepwater facies Listerella fauna	DEF IN 5
14740 /14738	DEF IN Upper Miocene (Tortonian) Cibicides crebbsi	DEF IN 5
15490 /15486	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 43	<b>Date of Summary:</b> 04-OCT-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16471	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11300
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10797
<b>API Well Number:</b> 177194070600	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 103
<b>Public Info Code:</b> Y 27-AUG-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5132 / 5132	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9154 / 9141	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 57	<b>Date of Summary:</b> 23-JAN-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G10878	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 16436
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 16434
<b>API Well Number:</b> 177194056000	<b>Drilling Operator:</b> SAMEDAN OIL CORPORATION	<b>Rkb Elevation:</b> 99
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 48
<b>Public Info Code:</b> Y 09-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10515 /10515	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 58	<b>Date of Summary:</b> 18-MAY-2001	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00146	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 12491
<b>Well Name:</b> E001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11400
<b>API Well Number:</b> 177194068600	<b>Drilling Operator:</b> STONE ENERGY LLC	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 09-MAR-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11585 /10613	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 58	Date of Summary: 07-JUL-2000	First Sample Examined: 0
Lease Number: 00146	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12536
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD: 11528
API Well Number: 177194068800	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 24-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10550 /10074	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 58	<b>Date of Summary:</b> 21-NOV-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> 00146	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 11931
<b>Well Name:</b> E003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 11079
<b>API Well Number:</b> 177194069400	<b>Drilling Operator:</b> STONE ENERGY LLC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 50
<b>Public Info Code:</b> Y 22-NOV-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10515 /10015	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 59	<b>Date of Summary:</b> 28-FEB-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16473	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13994
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12819
<b>API Well Number:</b> 177194068000	<b>Drilling Operator:</b> STONE ENERGY LLC	<b>Rkb Elevation:</b> 95
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 60
<b>Public Info Code:</b> Y 31-DEC-2009	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10940 /10605	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13600 /12515	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 59	Date of Summary: 03-OCT-2001	First Sample Examined: 0
Lease Number: G16473	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14435
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13277
API Well Number: 177194069500	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 30-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11482 / 11351	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 60	Date of Summary: 08-NOV-1999	First Sample Examined: 0
Lease Number: G15362	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14000
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13999
API Well Number: 177194062900	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 16-APR-2002	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11090 /11089	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
13410 /13409	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 61	Date of Summary: 19-APR-1999	First Sample Examined: 0
Lease Number: G03186	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15069
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 12793
API Well Number: 177194066400	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 08-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12815 /11353	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 63  
 Lease Number: G19839  
 Well Name: A001  
 API Well Number: 177194067501  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 27-AUG-2009

Date of Summary: 17-MAR-2000  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: STONE ENERGY LLC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14308  
 Borehole TVD: 13920  
 Rkb Elevation: 92  
 Water Depth: 136  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9997	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12050 /11949	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
13890 /13550	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 63  
 Lease Number: G19839  
 Well Name: A002  
 API Well Number: 177194067701  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 06-OCT-2009

Date of Summary: 13-JUN-2001  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: STONE ENERGY LLC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 14535  
 Borehole TVD: 13810  
 Rkb Elevation: 92  
 Water Depth: 135  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9992	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12300 /12070	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
14190 /13564	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 65	<b>Date of Summary:</b> 05-FEB-1998	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01082	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 4034
<b>Well Name:</b> A002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 2923
<b>API Well Number:</b> 177194065400	<b>Drilling Operator:</b> BURLINGTON RESOURCES OFFSHORE INC	<b>Rkb Elevation:</b> 100
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 140
<b>Public Info Code:</b> Y 02-FEB-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2054 / 2050	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3503 / 2918	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 65	Date of Summary: 07-MAR-1997	First Sample Examined: 0
Lease Number: G15363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 3105
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 3105
API Well Number: 177194064100	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 10-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2030 / 2030	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2648 / 2648	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
2891 / 2891	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 70	Date of Summary: 23-APR-1990	First Sample Examined: 0
Lease Number: 00182	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13150
Well Name: H003	Paleo Done By: OPERATOR	Borehole TVD: 12865
API Well Number: 177190091201	Drilling Operator: CONOCO INC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 146
Public Info Code: Y 15-APR-2000	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12133 /11849	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 75	Date of Summary: 23-NOV-1993	First Sample Examined: 0
Lease Number: G01085	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9768
Well Name: G003	Paleo Done By: OPERATOR	Borehole TVD: 8500
API Well Number: 177194057300	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 162
Public Info Code: Y 17-DEC-2003	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8860 / 7594	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 75	<b>Date of Summary:</b> 13-MAY-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01085	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 13875
<b>Well Name:</b> H002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12942
<b>API Well Number:</b> 177194057600	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 126
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 155
<b>Public Info Code:</b> Y 31-MAR-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8708 / 8707	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
9092 / 9090	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10226 / 10189	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12189 / 11789	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 78	<b>Date of Summary:</b> 22-SEP-2000	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G16478	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 17319
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17223
<b>API Well Number:</b> 177194064802	<b>Drilling Operator:</b> SENECA RESOURCES CORPORATION	<b>Rkb Elevation:</b> 87
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 85
<b>Public Info Code:</b> Y 19-JUN-2001	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15688 /15561	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 97	<b>Date of Summary:</b> 04-DEC-1991	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08457	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14060
<b>Well Name:</b> A001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14060
<b>API Well Number:</b> 177194052500	<b>Drilling Operator:</b> EL PASO PRODUCTION GOM INC	<b>Rkb Elevation:</b> 90
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 170
<b>Public Info Code:</b> Y 27-DEC-2000	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4523 / 4523	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12488 /12487	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 97  
 Lease Number: G08457  
 Well Name: A002  
 API Well Number: 177194054300  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 02-SEP-2001

Date of Summary: 05-MAY-1992  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: EL PASO PRODUCTION GOM INC  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 13555  
 Borehole TVD: 13329  
 Rkb Elevation: 90  
 Water Depth: 170  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4527 / 4526	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12620 /12449	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 98	Date of Summary: 01-SEP-1994	First Sample Examined: 0
Lease Number: G09690	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17945
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16003
API Well Number: 177194058700	Drilling Operator: PG&E RESOURCES OFFSHORE CO	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 174
Public Info Code: Y 17-AUG-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7270 / 7270	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12580 /12142	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
16120 /14627	DEF AT local marker planktic foram increase	DEF AT
16900 /15220	DEF AT local marker benthic foram increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 103	<b>Date of Summary:</b> 19-MAY-1994	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G01089	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14636
<b>Well Name:</b> F004	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 14100
<b>API Well Number:</b> 177194057700	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 131
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 210
<b>Public Info Code:</b> Y 16-MAR-2004	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12245 /12062	POS IN Upper Miocene (Tortonian) Textularia 6	DEF AT
12670 /12435	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 103	Date of Summary: 01-JUL-1994	First Sample Examined: 0
Lease Number: G01089	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14136
Well Name: F006	Paleo Done By: OPERATOR	Borehole TVD: 13300
API Well Number: 177194058601	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 210
Public Info Code: Y 25-JUN-2004	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13000 /12360	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 103	<b>Date of Summary:</b> 15-JUL-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G12360	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14060
<b>Well Name:</b> F001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13190
<b>API Well Number:</b> 177194054800	<b>Drilling Operator:</b> BP AMERICA PRODUCTION COMPANY	<b>Rkb Elevation:</b> 105
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 212
<b>Public Info Code:</b> Y 03-JUL-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4900 / 4900	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT
6320 / 6312	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10600 /10019	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
11650 /10914	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT
13250 /12394	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
13650 /12786	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT



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End Date: 01-DEC-2016

<b>Area Block:</b> WD 106	<b>Date of Summary:</b> 10-JUL-1992	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G08735	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 15340
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 13726
<b>API Well Number:</b> 177194054900	<b>Drilling Operator:</b> FREEPORT MCMORAN INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 250
<b>Public Info Code:</b> Y 02-JUL-2002	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8130 / 8127	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13620 /12457	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14310 /12947	POS AT Cyclammina cancellata (local marker)	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 109	Date of Summary: 20-FEB-2000	First Sample Examined: 9015
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD: 12390
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 12238
API Well Number: 177194068300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 9015 - 12205	Water Depth: 132
Public Info Code: Y 18-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 11045=local Textularia articulata zone, 11845=W-fauna, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9015 / 8944	DEF AT first sample examined	DEF IN 2
9016 / 8945	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
9075 / 9001	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 3
9135 / 9057	DEF AT Turtle Grass fauna = Amphistegina Mound	POS IN 3
9165 / 9085	DEF AT local marker foram decrease	DEF AT 3
9195 / 9114	DEF AT faunal change (no faunal increase)	DEF IN 2
9255 / 9170	DEF AT drilling material	DEF IN 2
9585 / 9479	POS AT Arenaceous fauna (local marker)	DEF IN 2
9805 / 9685	DEF AT limestone	DEF IN 2
10014 / 9883	DEF AT turbid water facies	DEF IN 2
10015 / 9884	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF IN 2
10485 /10340	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 2
10494 /10349	DEF AT pyrite	DEF IN 2
10495 /10350	DEF AT shell fragments	DEF IN 2
10855 /10704	DEF AT shell fragments	DEF IN 2
11095 /10944	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF IN 2
11155 /11004	DEF AT shell fragments	DEF IN 2
11485 /11333	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 2
11515 /11363	DEF AT drilling material	POS IN 2
11545 /11393	DEF AT faunal change (no faunal increase)	DEF IN 2
11695 /11543	DEF AT turbid water facies	POS IN 2
11755 /11603	DEF AT Arenaceous fauna (local marker)	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 109	<b>Date of Summary:</b> 20-FEB-2000	<b>First Sample Examined:</b> 9015
<b>Lease Number:</b> G02937	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12390
<b>Well Name:</b> 007	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12238
<b>API Well Number:</b> 177194068300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 115
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 9015 - 12205	<b>Water Depth:</b> 132
<b>Public Info Code:</b> Y 18-MAR-2010	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11845 /11693	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
11874 /11722	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
11875 /11723	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
11964 /11812	DEF AT limestone	DEF IN 3
11965 /11813	DEF AT Arenaceous fauna (local marker)	DEF IN 3
12025 /11873	DEF AT reworked material	DEF AT 3
12055 /11903	DEF AT local marker foram decrease	DEF AT 4
12115 /11963	DEF AT faunal change (no faunal increase)	DEF AT 3
12175 /12023	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12205 /12053	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 109  
 Lease Number: G02937  
 Well Name: A041  
 API Well Number: 177194061700  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 28-JUL-2006

Date of Summary: 23-OCT-1997  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: TEXACO EXPLORATION AND PROD  
 Sample Range: 10941 - 12767  
 Ecozone Eq MMS: Y

First Sample Examined: 10941  
 Borehole MD: 12886  
 Borehole TVD: 12528  
 Rkb Elevation: 130  
 Water Depth: 184  
 Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10941 /10641	DEF AT first sample examined	DEF IN 1
10942 /10642	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 1
11604 /11274	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 1
12194 /11849	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 2
12767 /12412	DEF AT last sample examined	DEF IN 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 109	<b>Date of Summary:</b> 25-FEB-1997	<b>First Sample Examined:</b> 15440
<b>Lease Number:</b> G02937	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17913
<b>Well Name:</b> A042	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 17613
<b>API Well Number:</b> 177194061800	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15440 - 17250	<b>Water Depth:</b> 184
<b>Public Info Code:</b> Y 08-NOV-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15440 /15144	DEF AT first sample examined	POS AT 2
15990 /15693	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT 2
16410 /16113	DEF AT - - - - -	DEF IN 2
16590 /16293	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
16710 /16413	DEF AT - - - - -	DEF AT 2
16770 /16473	DEF AT Eggerella sp. (local marker)	DEF AT 2
17070 /16772	DEF AT local marker benthic foram increase	DEF AT 3
17250 /16952	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 109	<b>Date of Summary:</b> 05-MAR-1997	<b>First Sample Examined:</b> 15440
<b>Lease Number:</b> G02937	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17913
<b>Well Name:</b> A042	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17613
<b>API Well Number:</b> 177194061800	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15440 - 17250	<b>Water Depth:</b> 184
<b>Public Info Code:</b> Y 08-NOV-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15440 /15144	DEF AT first sample examined	DEF AT
15441 /15145	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16680 /16383	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17160 /16862	DEF AT local marker floral increase	DEF AT
17250 /16952	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 109	<b>Date of Summary:</b> 25-FEB-1997	<b>First Sample Examined:</b> 15440
<b>Lease Number:</b> G02937	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17254
<b>Well Name:</b> A042	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 16806
<b>API Well Number:</b> 177194061801	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 15440 - 17250	<b>Water Depth:</b> 184
<b>Public Info Code:</b> Y 27-MAR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15440 /15144	DEF AT first sample examined	DEF AT
15990 /15689	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 2
16589 /16239	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
16590 /16240	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 3
16710 /16347	DEF AT - - - - -	DEF AT 2
16770 /16399	DEF AT Eggerella sp. (local marker)	DEF AT 3
17070 /16655	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 3
17250 /16802	DEF AT last sample examined	DEF AT 3

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End Date: 01-DEC-2016

<b>Area Block:</b> WD 109	<b>Date of Summary:</b> 05-MAR-1997	<b>First Sample Examined:</b> 15440
<b>Lease Number:</b> G02937	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17254
<b>Well Name:</b> A042	<b>Paleo Done By:</b> BIOSTRATIGRAPHIC INTERPRETATIONS	<b>Borehole TVD:</b> 16806
<b>API Well Number:</b> 177194061801	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 130
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 15440 - 17250	<b>Water Depth:</b> 184
<b>Public Info Code:</b> Y 27-MAR-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15440 /15144	DEF AT first sample examined	DEF AT
15441 /15145	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16680 /16320	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17160 /16729	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17250 /16802	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 117	Date of Summary: 17-FEB-1997	First Sample Examined: 11000
Lease Number: G01101	Source of Paleo: OPERATOR	Borehole MD: 15440
Well Name: D011	Paleo Done By: OPERATOR	Borehole TVD: 14746
API Well Number: 177204014100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 11000 - 13970	Water Depth: 206
Public Info Code: Y 29-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 /10985	DEF AT first sample examined	DEF AT 2
11001 /10986	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 2
11330 /11293	DEF AT - - - - -	DEF AT 3
13280 /12973	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
13970 /13561	DEF AT - - - - -	DEF AT 4
15440 /14746	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 117	Date of Summary: 03-FEB-1994	First Sample Examined: 5015
Lease Number: G01101	Source of Paleo: OPERATOR	Borehole MD: 13369
Well Name: G023	Paleo Done By: OPERATOR	Borehole TVD: 12860
API Well Number: 177204013500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 5015 - 13263	Water Depth: 212
Public Info Code: Y 15-MAY-2003	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5015 / 5014	DEF AT first sample examined	DEF AT 1
5016 / 5015	DEF IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 1
5465 / 5464	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
6530 / 6526	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 1
7790 / 7735	DEF AT - - - - -	DEF AT 3
8240 / 8163	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
13260 / 12760	DEF AT last sample examined	DEF AT 3

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 117	<b>Date of Summary:</b> 03-FEB-1994	<b>First Sample Examined:</b> 5048
<b>Lease Number:</b> G09690	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13715
<b>Well Name:</b> G020	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 12857
<b>API Well Number:</b> 177204013300	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 102
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 5048 - 13716	<b>Water Depth:</b> 212
<b>Public Info Code:</b> Y 02-JUN-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5048 / 5010	DEF AT first sample examined	DEF AT 1
5220 / 5163	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
5550 / 5456	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
6750 / 6539	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 1
8100 / 7771	DEF AT -----	DEF AT 2
8790 / 8391	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 2
10170 / 9627	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 2
10290 / 9735	DEF AT -----	DEF AT 1
12000 / 11274	DEF AT -----	DEF AT 2
13716 /	DEF AT last sample examined	DEF AT 2

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 122	<b>Date of Summary:</b> 24-NOV-1997	<b>First Sample Examined:</b> 0
<b>Lease Number:</b> G13645	<b>Source of Paleo:</b> COMPLETION REPORT (WELL SUMMARY)	<b>Borehole MD:</b> 14314
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 10623
<b>API Well Number:</b> 177204014301	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 101
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 0 - 0	<b>Water Depth:</b> 267
<b>Public Info Code:</b> Y 10-NOV-2007	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4619 / 4616	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11218 / 9039	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12650 / 9743	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 122  
 Lease Number: G13645  
 Well Name: A001  
 API Well Number: 177204014200  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 28-SEP-2007

Date of Summary: 28-OCT-1999  
 Source of Paleo: COMPLETION REPORT (WELL SUMMARY)  
 Paleo Done By: OPERATOR  
 Drilling Operator: VASTAR RESOURCES INC.  
 Sample Range: 0 - 0  
 Ecozone Eq MMS:

First Sample Examined: 0  
 Borehole MD: 8128  
 Borehole TVD: 8027  
 Rkb Elevation: 101  
 Water Depth: 267  
 Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4400 / 4399	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5918 / 5869	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6860 / 6781	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
8085 / 7985	DEF AT salt	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 128	<b>Date of Summary:</b> 10-SEP-1993	<b>First Sample Examined:</b> 6000
<b>Lease Number:</b> G10883	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16043
<b>Well Name:</b> 001	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 16011
<b>API Well Number:</b> 177204013400	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 6000 - 8130	<b>Water Depth:</b> 390
<b>Public Info Code:</b> Y 13-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5998	DEF AT first sample examined	DEF AT
6210 / 6208	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6870 / 6868	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8130 / 8127	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 128	<b>Date of Summary:</b> 10-SEP-1993	<b>First Sample Examined:</b> 6020
<b>Lease Number:</b> G10883	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16043
<b>Well Name:</b> 001	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 16011
<b>API Well Number:</b> 177204013400	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 6020 - 15080	<b>Water Depth:</b> 390
<b>Public Info Code:</b> Y 13-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** First redrill report, consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6020 / 6018	DEF AT first sample examined	DEF AT
6650 / 6648	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10970 /10964	POS IN Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT
11750 /11743	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
11960 /11952	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12830 /12821	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
15080 /15053	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 128	<b>Date of Summary:</b> 10-SEP-1993	<b>First Sample Examined:</b> 13490
<b>Lease Number:</b> G10883	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16043
<b>Well Name:</b> 001	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 16011
<b>API Well Number:</b> 177204013400	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 13490 - 16043	<b>Water Depth:</b> 390
<b>Public Info Code:</b> Y 13-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Second redrill report, consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13490 /13479	DEF AT first sample examined	DEF AT
13491 /13480	DEF AT cement	DEF AT
14540 /14517	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
15410 /15381	DEF AT local marker foram increase	DEF AT
16003 /15971	DEF AT salt	DEF AT
16043 /16011	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 128	<b>Date of Summary:</b> 10-SEP-1993	<b>First Sample Examined:</b> 15470
<b>Lease Number:</b> G10883	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16453
<b>Well Name:</b> 001	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 16356
<b>API Well Number:</b> 177204013401	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15470 - 16453	<b>Water Depth:</b> 390
<b>Public Info Code:</b> Y 24-JUL-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15470 /15441	DEF AT first sample examined	DEF AT
15500 /15470	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16160 /16089	POS IN Upper Miocene (Messinian) Sphenolithus abies (giant)	DEF AT
16340 /16253	DEF AT salt	DEF AT
16453 /16357	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 128	<b>Date of Summary:</b> 10-SEP-1993	<b>First Sample Examined:</b> 12440
<b>Lease Number:</b> G10883	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19589
<b>Well Name:</b> 001	<b>Paleo Done By:</b> CROSBIE-MACOMBER	<b>Borehole TVD:</b> 19173
<b>API Well Number:</b> 177204013402	<b>Drilling Operator:</b> MARATHON PETROLEUM COMPANY	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 12440 - 19580	<b>Water Depth:</b> 390
<b>Public Info Code:</b> Y 30-SEP-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12440 /12431	DEF AT first sample examined	DEF AT
12441 /12432	DEF AT cement	DEF AT
13070 /13047	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
15050 /14930	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
16100 /15918	DEF AT local marker foram increase	DEF AT
16130 /15946	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19580 /19165	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WD 152	<b>Date of Summary:</b> 18-JUL-1991	<b>First Sample Examined:</b> 1240
<b>Lease Number:</b> G01604	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15615
<b>Well Name:</b> 006	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 15606
<b>API Well Number:</b> 177204013000	<b>Drilling Operator:</b> DELMAR OPERATING INC PM	<b>Rkb Elevation:</b> 89
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 1240 - 14690	<b>Water Depth:</b> 364
<b>Public Info Code:</b> Y 05-AUG-2001	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** 4300=probably back in normal section, possible normal section? at 6010

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1240 / 1240	DEF AT first sample examined	DEF IN 3
2470 / 2470	DEF AT - - - - -	DEF AT 4
3850 / 3850	DEF AT local marker deep water fauna	DEF AT 5
3879 / 3879	POS AT gouge	DEF AT 5
3880 / 3880	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
3910 / 3910	DEF AT anhydrite	POS AT 5
4300 / 4300	DEF AT - - - - -	DEF IN 4
5768 / 5768	DEF AT anhydrite	DEF AT 4
5769 / 5769	DEF AT gouge	DEF AT 4
5770 / 5770	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9130 / 9124	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14690 / 14682	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WD 152	Date of Summary: 18-JUL-1991	First Sample Examined: 14680
Lease Number: G01604	Source of Paleo: OPERATOR	Borehole MD: 15615
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15606
API Well Number: 177204013000	Drilling Operator: DELMAR OPERATING INC PM	Rkb Elevation: 89
Paleo Report Num: 2 of 2	Sample Range: 14680 - 15615	Water Depth: 364
Public Info Code: Y 05-AUG-2001	Ecozone Eq MMS:	Paleo ID: 003

Remark: Redrill report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14680 /14672	DEF AT first sample examined	DEF IN 4
15129 /15120	POS AT gouge	DEF IN 4
15130 /15121	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 4
15308 /15298	DEF AT gouge	DEF AT 6
15309 /15299	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
15310 /15300	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
15615 /15605	DEF AT last sample examined	DEF AT 6

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Start Date: 01-JAN-2000

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<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 25-AUG-2005	<b>First Sample Examined:</b> 8150
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25933
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25127
<b>API Well Number:</b> 608124002000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8150 - 25933	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 01-JAN-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Bigfoot Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8150 / 8150	DEF AT first sample examined	DEF AT
8160 / 8160	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8250 / 8250	DEF AT local marker floral decrease	DEF AT
8550 / 8550	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8580 / 8580	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8640 / 8640	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12360 /12360	DEF AT base of salt	DEF AT
12480 /12480	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
13290 /13290	DEF AT local marker floral decrease	DEF AT
13415 /13415	DEF AT sample gap top	DEF AT
13560 /13559	DEF AT sample gap bottom	DEF AT
15600 /15599	DEF AT local marker floral increase	DEF AT
15690 /15689	DEF AT local marker floral decrease	DEF AT
16770 /16769	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16860 /16859	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
17040 /17039	DEF AT local marker floral decrease	DEF AT
17670 /17669	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17730 /17729	DEF AT local marker floral decrease	DEF AT
17790 /17789	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17880 /17879	DEF AT local marker floral decrease	DEF AT
17970 /17969	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18810 /18809	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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Area Block: WR 29	Date of Summary: 25-AUG-2005	First Sample Examined: 8150
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 25933
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 25127
API Well Number: 608124002000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 8150 - 25933	Water Depth: 5286
Public Info Code: Y 01-JAN-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19230 /19229	DEF AT local marker floral increase	DEF AT
19320 /19319	DEF AT local marker floral decrease	DEF AT
19560 /19559	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19650 /19649	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19740 /19739	DEF AT local marker floral decrease	DEF AT
19890 /19889	POS AT local marker floral increase	DEF AT
19980 /19979	DEF AT local marker floral decrease	DEF AT
20130 /20128	DEF AT local marker floral increase	DEF AT
20190 /20187	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20220 /20217	DEF AT local marker floral decrease	DEF AT
21120 /21093	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21150 /21122	DEF AT local marker floral decrease	DEF AT
21510 /21460	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21600 /21544	DEF AT local marker floral decrease	DEF AT
21660 /21599	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21720 /21654	DEF AT local marker floral decrease	DEF AT
22230 /22113	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
22350 /22218	DEF AT reworked material	DEF AT
22770 /22576	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
22890 /22676	DEF AT local marker floral decrease	DEF AT
23100 /22850	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23190 /22925	POS AT local marker floral increase	DEF AT
23220 /22950	DEF AT local marker floral decrease	DEF AT
23279 /22999	DEF AT Lower Miocene (Aquitainian) Dictyococcites bisectus (very rare)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 25-AUG-2005	First Sample Examined: 8150
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 25933
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 25127
API Well Number: 608124002000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 8150 - 25933	Water Depth: 5286
Public Info Code: Y 01-JAN-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23280 /22999	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
23340 /23049	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23520 /23198	DEF AT local marker floral decrease	DEF AT
23580 /23248	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
23700 /23347	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
23730 /23372	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
23850 /23472	DEF AT local marker floral decrease	DEF AT
23880 /23497	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
23910 /23521	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
24060 /23643	DEF AT local marker floral decrease	DEF AT
24180 /23738	DEF AT reworked material	DEF AT
24240 /23786	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
24270 /23809	DEF AT local marker floral decrease	DEF AT
24690 /24138	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
25050 /24421	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
25230 /24564	POS AT local marker floral increase	DEF AT
25410 /24706	DEF AT reworked material	DEF AT
25890 /25092	DEF AT reworked material	DEF AT
25933 /25127	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

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Area Block: WR 29	Date of Summary: 07-SEP-2005	First Sample Examined: 8150
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 25933
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 25127
API Well Number: 608124002000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 8150 - 25933	Water Depth: 5286
Public Info Code: Y 01-JAN-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Bigfoot Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8150 / 8150	DEF AT first sample examined	DEF AT 5
8151 / 8151	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8220 / 8220	DEF AT local marker foram decrease	DEF AT 4
8610 / 8610	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
8700 / 8700	DEF AT salt	POS AT 4
12450 /12450	DEF IN Holocene Globorotalia inflata	DEF AT 4
12930 /12930	DEF AT -----	DEF IN 4
12990 /12990	DEF AT -----	DEF AT 4
13170 /13170	DEF AT local marker foram increase	DEF AT 4
13200 /13200	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
13410 /13410	DEF AT local marker foram decrease	DEF IN 4
13415 /13415	DEF AT sample gap top	DEF IN 4
13770 /13769	DEF AT sample gap bottom	DEF IN 4
14790 /14789	DEF AT transported outer shelf facies	DEF IN 4
15450 /15449	DEF AT local marker foram decrease	DEF IN 4
15480 /15479	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
15720 /15719	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 4
16350 /16349	DEF AT local marker planktic foram increase	DEF IN 4
16830 /16829	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
16920 /16919	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
16980 /16979	DEF AT local marker foram decrease	DEF IN 4
17040 /17039	DEF AT local marker planktic foram increase	DEF IN 4

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<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 07-SEP-2005	<b>First Sample Examined:</b> 8150
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25933
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25127
<b>API Well Number:</b> 608124002000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8150 - 25933	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 01-JAN-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18059 /18058	DEF AT sequence boundary	DEF AT 6
18060 /18059	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
18090 /18089	DEF AT local marker foram decrease	POS AT 6
18120 /18119	DEF AT - - - - -	DEF IN 4
18150 /18149	DEF AT foram flood	DEF AT 6
18210 /18209	DEF AT local marker foram decrease	DEF IN 4
18540 /18539	DEF AT siltstone	DEF IN 4
18750 /18749	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
18959 /18958	DEF AT local white Arenacous fauna	DEF IN 4
18960 /18959	DEF AT Cyclammina cancellata (local marker)	DEF IN 4
19050 /19049	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 4
19770 /19769	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
19800 /19799	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 4
20250 /20247	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
20280 /20277	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 4
20730 /20718	DEF AT local marker benthic foram increase	DEF IN 4
20760 /20747	POS AT reworked material	DEF AT 5
20790 /20776	DEF AT - - - - -	DEF IN 4
20850 /20834	DEF AT local white Arenacous fauna	DEF IN 4
21540 /21488	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
22080 /21980	DEF AT siltstone	DEF IN 4
22170 /22060	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
22200 /22087	DEF AT - - - - -	DEF IN 4
22440 /22296	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4

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End Date: 01-DEC-2016

<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 07-SEP-2005	<b>First Sample Examined:</b> 8150
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25933
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25127
<b>API Well Number:</b> 608124002000	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 8150 - 25933	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 01-JAN-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22470 /22322	DEF AT pyrite	DEF IN 4
22980 /22750	DEF AT turbid water facies	POS IN 4
23040 /22800	DEF AT - - - - -	DEF IN 4
23250 /22975	DEF AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 5
23310 /23024	DEF AT - - - - -	DEF AT 4
23340 /23049	DEF AT local marker foram decrease	DEF AT 4
23489 /23173	DEF AT limestone	DEF AT 4
23490 /23174	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 4
23550 /23223	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 4
23580 /23248	DEF AT local marker planktic foram increase	DEF AT 4
23760 /23397	DEF AT local marker foram decrease	DEF AT 4
23790 /23422	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
23820 /23447	DEF AT local marker planktic foram increase	DEF AT 4
23850 /23472	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 4
23879 /23496	DEF AT limestone	DEF AT 4
23880 /23497	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 4
23909 /23521	DEF AT siltstone	DEF AT 4
23910 /23521	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4
23940 /23546	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 4
24000 /23595	DEF AT pyrite	DEF AT 4
24030 /23619	DEF AT local marker foram decrease	DEF AT 4
24150 /23715	DEF AT pyrite	DEF AT 4
24539 /24020	DEF AT turbid water facies	POS AT 4
24540 /24021	DEF AT Bathysiphon fauna	POS AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 07-SEP-2005	First Sample Examined: 8150
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 25933
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 25127
API Well Number: 608124002000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 8150 - 25933	Water Depth: 5286
Public Info Code: Y 01-JAN-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24660 /24115	DEF AT Bathysiphon fauna	POS AT 4
24870 /24280	DEF AT Bathysiphon fauna	POS AT 4
25020 /24398	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	POS AT 4
25080 /24445	DEF AT limestone	POS AT 4
25170 /24516	DEF AT Bathysiphon fauna	POS AT 4
25200 /24540	DEF AT drilling material	POS AT 4
25259 /24587	DEF AT pyrite	POS AT 4
25260 /24587	DEF AT Bathysiphon fauna	POS AT 4
25530 /24802	DEF AT limestone	POS AT 4
25680 /24923	DEF AT Arenaceous fauna (local marker)	POS AT 4
25770 /24995	POS AT Upper Paleocene (Thanetian) Morozovella uncinata	POS AT 4
25830 /25044	DEF AT Bathysiphon fauna	POS AT 4
25920 /25117	DEF AT brown shale	POS AT 4
25933 /25127	DEF AT last sample examined	POS AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 05-JAN-2006	First Sample Examined: 17490
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 22196
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 21497
API Well Number: 608124002001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 17490 - 22196	Water Depth: 5286
Public Info Code: Y 14-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Bigfoot Prospect, paleo done by Bruce Desselle, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17490 /17489	DEF AT first sample examined	DEF IN 4
17491 /17490	DEF IN Lower Pleistocene	DEF IN 4
17850 /17847	DEF AT drilling material	DEF IN 4
18089 /18080	DEF AT sequence boundary	DEF AT 6
18090 /18081	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
18120 /18110	DEF AT local marker planktic foram increase	DEF AT 6
18180 /18167	DEF AT - - - - -	DEF IN 4
18270 /18253	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
18390 /18365	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
18419 /18391	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
18420 /18392	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
18510 /18473	DEF AT - - - - -	DEF IN 4
18570 /18526	DEF AT local marker foram decrease	DEF IN 4
19110 /18977	DEF AT pyrite	DEF IN 4
19380 /19195	DEF AT local marker benthic foram increase	DEF IN 4
19410 /19220	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 4
19889 /19604	DEF AT Bathysiphon fauna	DEF IN 4
19890 /19605	DEF AT turbid water facies	DEF IN 4
19950 /19654	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 4
19980 /19678	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
20250 /19900	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 4
20700 /20266	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 05-JAN-2006	First Sample Examined: 17490
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 22196
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 21497
API Well Number: 608124002001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 17490 - 22196	Water Depth: 5286
Public Info Code: Y 14-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20730 /20290	DEF AT local marker foram decrease	DEF IN 4
20790 /20338	DEF AT turbid water facies	DEF IN 4
20850 /20386	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
20880 /20410	DEF AT local marker foram decrease	DEF IN 4
20970 /20482	DEF AT pyrite	DEF IN 4
21030 /20530	DEF AT local marker foram increase	DEF AT 5
21060 /20554	DEF AT pyrite	DEF AT 5
21150 /20627	DEF AT limestone	DEF AT 5
21180 /20651	DEF AT turbid water facies	DEF AT 5
21420 /20848	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
21570 /20973	DEF AT local marker foram decrease	DEF IN 4
21690 /21072	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
21750 /21122	DEF AT local marker foram increase	DEF IN 4
21780 /21147	DEF AT local marker foram decrease	DEF IN 4
21899 /21245	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF IN 4
21900 /21246	DEF AT local marker planktic foram increase	DEF IN 4
21960 /21296	DEF AT local marker foram decrease	DEF IN 4
22109 /21422	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22110 /21423	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
22140 /21449	DEF AT - - - - -	DEF IN 4
22170 /21475	DEF AT local marker planktic foram increase	DEF IN 4
22196 /21497	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 05-JAN-2006	First Sample Examined: 17490
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 22196
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 21497
API Well Number: 608124002001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 17490 - 22196	Water Depth: 5286
Public Info Code: Y 14-FEB-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Bigfoot Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17490 /17489	DEF AT first sample examined	DEF AT
17491 /17490	DEF IN Lower Pleistocene	DEF AT
17610 /17609	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17700 /17699	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17760 /17758	DEF AT local marker floral decrease	DEF AT
18090 /18081	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18150 /18139	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18240 /18224	DEF AT local marker floral decrease	DEF AT
18270 /18253	DEF AT local marker floral increase	DEF AT
18330 /18309	DEF AT local marker floral decrease	DEF AT
18480 /18447	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
18930 /18830	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18990 /18879	DEF AT local marker floral decrease	DEF AT
19080 /18952	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
19260 /19098	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19290 /19123	DEF AT local marker floral decrease	DEF AT
19620 /19388	DEF AT local marker floral increase	DEF AT
19770 /19508	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
19800 /19532	DEF AT local marker floral decrease	DEF AT
19920 /19630	DEF AT local marker floral increase	DEF AT
19950 /19654	DEF AT local marker floral decrease	DEF AT
20250 /19900	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 05-JAN-2006	<b>First Sample Examined:</b> 17490
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22196
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21497
<b>API Well Number:</b> 608124002001	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17490 - 22196	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 14-FEB-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20280 /19925	DEF AT local marker floral decrease	DEF AT
20400 /20025	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20550 /20147	DEF AT local marker floral decrease	DEF AT
20670 /20242	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
20700 /20266	DEF AT local marker floral decrease	DEF AT
20940 /20458	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21000 /20506	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
21120 /20603	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21180 /20651	DEF AT local marker floral decrease	DEF AT
21300 /20749	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21330 /20774	DEF AT local marker floral decrease	DEF AT
21390 /20824	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
21420 /20848	DEF AT local marker floral increase	DEF AT
21450 /20873	DEF AT local marker floral decrease	DEF AT
21510 /20923	DEF AT local marker floral increase	DEF AT
21539 /20947	POS AT reworked material	DEF AT
21540 /20948	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21570 /20973	DEF AT local marker floral decrease	DEF AT
21600 /20998	DEF AT local marker floral increase	DEF AT
21690 /21072	DEF AT local marker floral decrease	DEF AT
21720 /21097	POS AT local marker floral increase	DEF AT
21780 /21147	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21810 /21171	DEF AT local marker floral decrease	DEF AT
21840 /21196	POS AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 05-JAN-2006	<b>First Sample Examined:</b> 17490
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22196
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21497
<b>API Well Number:</b> 608124002001	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17490 - 22196	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 14-FEB-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21870 /21221	DEF AT local marker floral decrease	DEF AT
21930 /21271	DEF AT local marker floral increase	DEF AT
21990 /21322	DEF AT local marker floral decrease	DEF AT
22196 /21497	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 05-JAN-2006	First Sample Examined: 17490
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 22832
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22137
API Well Number: 608124002002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 17490 - 22200	Water Depth: 5286
Public Info Code: Y 16-FEB-2016	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Bigfoot Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17490 /17489	DEF AT first sample examined	DEF AT
17491 /17490	DEF IN Lower Pleistocene	DEF AT
17610 /17609	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17700 /17699	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17760 /17758	DEF AT local marker floral decrease	DEF AT
18090 /18081	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18150 /18139	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18240 /18224	DEF AT local marker floral decrease	DEF AT
18270 /18253	DEF AT local marker floral increase	DEF AT
18330 /18309	DEF AT local marker floral decrease	DEF AT
18480 /18447	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
18540 /18500	DEF AT local marker floral decrease	DEF AT
18930 /18830	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18990 /18879	DEF AT local marker floral decrease	DEF AT
19080 /18952	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
19290 /19123	DEF AT local marker floral decrease	DEF AT
19620 /19388	DEF AT local marker floral increase	DEF AT
19770 /19508	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
19800 /19532	DEF AT local marker floral decrease	DEF AT
19920 /19630	DEF AT local marker floral increase	DEF AT
19950 /19654	DEF AT local marker floral decrease	DEF AT
20250 /19905	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 05-JAN-2006	First Sample Examined: 17490
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 22832
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22137
API Well Number: 608124002002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 17490 - 22200	Water Depth: 5286
Public Info Code: Y 16-FEB-2016	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20280 /19930	DEF AT local marker floral decrease	DEF AT
20400 /20031	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20460 /20082	DEF AT local marker floral increase	DEF AT
20550 /20157	DEF AT local marker floral decrease	DEF AT
20670 /20258	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
20700 /20283	DEF AT local marker floral decrease	DEF AT
20940 /20486	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21000 /20536	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
21030 /20562	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
21120 /20639	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21180 /20690	DEF AT local marker floral decrease	DEF AT
21300 /20792	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21330 /20818	DEF AT local marker floral decrease	DEF AT
21390 /20869	DEF AT local marker floral increase	DEF AT
21420 /20895	DEF AT local marker floral increase	DEF AT
21450 /20921	DEF AT local marker floral decrease	DEF AT
21510 /20972	DEF AT local marker floral increase	DEF AT
21570 /21023	DEF AT local marker floral decrease	DEF AT
21600 /21049	DEF AT local marker floral increase	DEF AT
21690 /21126	DEF AT local marker floral decrease	DEF AT
21720 /21151	POS AT local marker floral increase	DEF AT
21780 /21202	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21840 /21253	POS AT local marker floral increase	DEF AT
21870 /21279	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 05-JAN-2006	<b>First Sample Examined:</b> 17490
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22832
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22137
<b>API Well Number:</b> 608124002002	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17490 - 22200	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 16-FEB-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21930 /21330	DEF AT local marker floral increase	DEF AT
21990 /21381	DEF AT local marker floral decrease	DEF AT
22200 /21563	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 15-JAN-2006	First Sample Examined: 20010
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 22832
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22137
API Well Number: 608124002002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 20010 - 22800	Water Depth: 5286
Public Info Code: Y 16-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Bigfoot Prospect, paleo done by Bruce Desselle, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20010 /19704	DEF AT first sample examined	DEF AT 6
20011 /19704	DEF IN Upper (Late) Miocene	DEF AT 6
20100 /19779	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
20130 /19804	DEF AT pyrite	POS AT 6
20160 /19829	DEF AT local marker foram decrease	DEF IN 4
20280 /19930	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 4
20400 /20031	DEF AT local marker foram decrease	DEF IN 4
20430 /20057	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF IN 4
20700 /20283	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
20910 /20460	DEF AT turbid water facies	POS IN 4
20940 /20486	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21030 /20562	DEF AT turbid water facies	POS AT 5
21150 /20664	DEF AT siltstone	POS AT 5
21209 /20714	DEF AT turbid water facies	POS AT 5
21210 /20715	DEF AT local white Arenacous fauna	POS AT 5
21240 /20741	DEF AT - - - - -	DEF AT 5
21360 /20844	DEF AT local marker foram decrease	DEF IN 4
21420 /20895	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
21480 /20946	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21570 /21023	DEF AT local marker foram decrease	DEF IN 4
21600 /21049	DEF AT - - - - -	DEF AT 5
21630 /21074	DEF AT - - - - -	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29	Date of Summary: 15-JAN-2006	First Sample Examined: 20010
Lease Number: G16942	Source of Paleo: OPERATOR	Borehole MD: 22832
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22137
API Well Number: 608124002002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 20010 - 22800	Water Depth: 5286
Public Info Code: Y 16-FEB-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22050 /21433	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
22080 /21459	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
22110 /21485	DEF AT local marker planktic foram increase	DEF AT 5
22230 /21590	DEF AT local marker foram decrease	DEF IN 4
22440 /21777	DEF AT - - - - -	DEF AT 5
22470 /21804	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22500 /21831	DEF AT local marker foram decrease	DEF AT 5
22530 /21858	DEF AT local marker planktic foram increase	DEF AT 5
22590 /21913	DEF AT local marker foram decrease	DEF IN 4
22680 /21995	DEF AT siltstone	DEF IN 4
22710 /22023	DEF AT turbid water facies	POS IN 4
22770 /22079	DEF AT - - - - -	DEF AT 5
22800 /22107	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 24-MAR-2006	<b>First Sample Examined:</b> 18120
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25750
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24433
<b>API Well Number:</b> 608124002003	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18120 - 25750	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 27-MAY-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Bigfoot Prospect, paleo done by Bruce Desselle, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18120 /18110	DEF AT first sample examined	DEF AT 5
18121 /18111	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18210 /18198	DEF AT local marker foram decrease	DEF AT 4
18300 /18286	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
18330 /18316	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
18810 /18785	DEF AT local marker planktic foram increase	DEF AT 4
19020 /18991	DEF AT Bathysiphon fauna	DEF AT 4
19080 /19049	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
19140 /19108	DEF AT -----	DEF AT 4
19319 /19280	DEF AT turbid water facies	POS AT 4
19320 /19281	DEF AT local white Arenacous fauna	POS AT 4
19470 /19423	DEF AT -----	DEF AT 4
19500 /19451	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
19650 /19589	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF IN 4
19710 /19643	DEF AT -----	DEF AT 4
19830 /19749	DEF AT siltstone	DEF AT 4
20250 /20096	DEF AT turbid water facies	POS AT 4
20370 /20191	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
20520 /20307	DEF AT pyrite	DEF AT 4
20610 /20377	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
20728 /20467	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
20729 /20468	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29  
Lease Number: G16942  
Well Name: 002  
API Well Number: 608124002003  
Paleo Report Num: 1 of 2  
Public Info Code: Y 27-MAY-2016

Date of Summary: 24-MAR-2006  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 18120 - 25750  
Ecozone Eq MMS: Y

First Sample Examined: 18120  
Borehole MD: 25750  
Borehole TVD: 24433  
Rkb Elevation: 72  
Water Depth: 5286  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20730 /20469	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21060 /20722	DEF AT local marker foram decrease	DEF AT 5
21180 /20813	DEF AT -----	DEF IN 4
21210 /20836	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 4
21270 /20882	DEF AT siltstone	DEF IN 4
21480 /21042	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21510 /21065	DEF AT -----	DEF IN 4
21570 /21111	DEF AT -----	DEF AT 5
21600 /21134	DEF AT turbid water facies	POS AT 5
21840 /21316	DEF AT local white Arenaceous fauna	POS AT 5
22170 /21566	DEF AT -----	DEF IN 4
22380 /21726	DEF AT turbid water facies	POS IN 4
22500 /21818	DEF AT -----	DEF AT 5
22530 /21841	DEF AT -----	DEF IN 4
22740 /22002	DEF AT siltstone	DEF IN 4
23260 /22403	DEF AT -----	DEF AT 5
23300 /22433	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
23339 /22463	DEF AT transported inner shelf facies	DEF AT 4
23340 /22464	DEF AT local marker foram decrease	DEF AT 4
23400 /22510	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
23490 /22580	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
23550 /22626	DEF AT pyrite	DEF AT 5
23580 /22649	DEF AT -----	DEF AT 4
23610 /22672	DEF AT -----	DEF AT 5

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29  
Lease Number: G16942  
Well Name: 002  
API Well Number: 608124002003  
Paleo Report Num: 1 of 2  
Public Info Code: Y 27-MAY-2016

Date of Summary: 24-MAR-2006  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 18120 - 25750  
Ecozone Eq MMS: Y

First Sample Examined: 18120  
Borehole MD: 25750  
Borehole TVD: 24433  
Rkb Elevation: 72  
Water Depth: 5286  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23650 /22703	DEF AT -----	DEF IN 4
23740 /22773	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23800 /22821	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	POS IN 4
23890 /22893	DEF AT turbid water facies	POS IN 4
24220 /23161	DEF AT -----	DEF IN 4
24340 /23260	DEF AT -----	DEF AT 5
24550 /23435	DEF AT -----	DEF IN 4
25210 /23984	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4
25570 /24284	DEF AT local marker planktic foram increase	DEF AT 5
25600 /24309	POS IN Middle Miocene (Langhian) Cibicides 38	DEF AT 5
25750 /24433	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 11-APR-2006	<b>First Sample Examined:</b> 17730
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25750
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24433
<b>API Well Number:</b> 608124002003	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17730 - 25750	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 27-MAY-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Bigfoot Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17730 /17728	DEF AT first sample examined	DEF AT
17731 /17729	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17850 /17847	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17910 /17906	DEF AT local marker floral decrease	DEF AT
18150 /18139	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
18210 /18198	DEF AT local marker floral decrease	DEF AT
19230 /19195	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19290 /19252	DEF AT local marker floral decrease	DEF AT
20010 /19902	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20130 /20000	DEF AT local marker floral decrease	DEF AT
20370 /20191	DEF AT local marker floral increase	DEF AT
20400 /20214	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20550 /20331	DEF AT local marker floral decrease	DEF AT
20730 /20469	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20790 /20515	DEF AT floral flood	DEF AT
20880 /20584	DEF AT local marker floral decrease	DEF AT
21000 /20676	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21060 /20722	DEF AT local marker floral decrease	DEF AT
21210 /20836	POS AT local marker floral increase	DEF AT
21240 /20859	DEF AT local marker floral decrease	DEF AT
21600 /21134	DEF AT local marker floral increase	DEF AT
21660 /21179	DEF AT local marker floral decrease	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 11-APR-2006	<b>First Sample Examined:</b> 17730
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25750
<b>Well Name:</b> 002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24433
<b>API Well Number:</b> 608124002003	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 17730 - 25750	<b>Water Depth:</b> 5286
<b>Public Info Code:</b> Y 27-MAY-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22080 /21498	POS AT local marker floral increase	DEF AT
22140 /21544	DEF AT local marker floral decrease	DEF AT
23260 /22403	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23340 /22464	DEF AT local marker floral decrease	DEF AT
23460 /22557	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23640 /22695	DEF AT local marker floral decrease	DEF AT
23770 /22797	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24340 /23260	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
24520 /23410	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
24550 /23435	DEF AT local marker floral decrease	DEF AT
25180 /23959	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25210 /23984	DEF AT local marker floral decrease	DEF AT
25750 /24433	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 29	<b>Date of Summary:</b> 25-SEP-2006	<b>First Sample Examined:</b> 20900
<b>Lease Number:</b> G16942	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 23270
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22500
<b>API Well Number:</b> 608124002004	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20900 - 23270	<b>Water Depth:</b> 5283
<b>Public Info Code:</b> Y 10-JUL-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Bigfoot Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20900 /20602	DEF AT first sample examined	DEF AT
20901 /20603	DEF AT out-of-place section	DEF AT
20902 /20604	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21020 /20701	POS IN Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
21240 /20881	POS AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
21360 /20978	DEF AT local marker floral increase	DEF AT
21480 /21073	POS IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21570 /21145	DEF AT local marker floral decrease	DEF AT
21720 /21265	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21750 /21288	DEF AT local marker floral decrease	DEF AT
21780 /21312	DEF AT local marker floral increase	DEF AT
22080 /21551	DEF AT local marker floral decrease	DEF AT
22200 /21647	DEF AT local marker floral increase	DEF AT
22260 /21695	DEF AT local marker floral decrease	DEF AT
22410 /21814	DEF AT local marker floral increase	DEF AT
22470 /21862	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22530 /21910	DEF AT local marker floral decrease	DEF AT
22650 /22006	DEF AT local marker floral increase	DEF AT
22830 /22149	DEF AT local marker floral decrease	DEF AT
22950 /22244	DEF AT Middle Miocene (Serravallian) Discoaster subsurculus (increase)	DEF AT
23020 /22300	DEF AT local marker floral decrease	DEF AT
23079 /22347	DEF AT Middle Miocene (Langhian) Discoaster aulakos	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 29  
 Lease Number: G16942  
 Well Name: 002  
 API Well Number: 608124002004  
 Paleo Report Num: 1 of 1  
 Public Info Code: Y 10-JUL-2016

Date of Summary: 25-SEP-2006  
 Source of Paleo: OPERATOR  
 Paleo Done By: OPERATOR  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 20900 - 23270  
 Ecozone Eq MMS:

First Sample Examined: 20900  
 Borehole MD: 23270  
 Borehole TVD: 22500  
 Rkb Elevation: 72  
 Water Depth: 5283  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23080 /22348	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23140 /22396	DEF AT local marker floral decrease	DEF AT
23270 /22499	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 30	<b>Date of Summary:</b> 30-JAN-2002	<b>First Sample Examined:</b> 9690
<b>Lease Number:</b> G20261	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22881
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22857
<b>API Well Number:</b> 608124000600	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9690 - 16020	<b>Water Depth:</b> 6566
<b>Public Info Code:</b> Y 31-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9690 / 9690	DEF AT first sample examined	DEF AT 5
9840 / 9840	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10620 /10620	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13830 /13827	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14760 /14755	POS AT out-of-place section	DEF AT 5
14761 /14756	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14820 /14815	DEF AT salt	DEF AT 5
16020 /16011	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 30	<b>Date of Summary:</b> 30-JAN-2002	<b>First Sample Examined:</b> 9690
<b>Lease Number:</b> G20261	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22881
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 22857
<b>API Well Number:</b> 608124000600	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9690 - 16020	<b>Water Depth:</b> 6566
<b>Public Info Code:</b> Y 31-JUL-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, mixed coccolith assemblages from 13860 to 14440, and from 14550 to 14760, from 15330, mixed Late Miocene flora to 15420, well was drilled to a depth of 28043 but samples were not analyzed below 16020, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9690 / 9690	DEF AT first sample examined	DEF AT
9750 / 9750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
12570 /12569	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13620 /13618	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13860 /13857	DEF AT out-of-place section	DEF AT
14550 /14546	DEF AT out-of-place section	DEF AT
14760 /14755	DEF IN salt	DEF AT
15330 /15323	DEF AT out-of-place section	DEF AT
16020 /16011	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 30	Date of Summary: 08-FEB-2008	First Sample Examined: 21540
Lease Number: G20261	Source of Paleo: OPERATOR	Borehole MD: 26382
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24211
API Well Number: 608124000603	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 21540 - 26382	Water Depth: 6566
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21540 /20044	DEF AT first sample examined	DEF AT 5
21541 /20045	DEF IN base of salt	DEF AT 5
21542 /20046	DEF IN out-of-place section	DEF AT 5
21870 /20264	POS AT sequence boundary	DEF AT 5
22290 /20542	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
23250 /21242	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
23279 /21265	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
23280 /21266	POS AT maximum flooding surface	DEF AT 5
23999 /21884	POS AT maximum flooding surface	DEF AT 5
24000 /21885	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
24030 /21912	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
24540 /22385	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24570 /22414	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
25290 /23119	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25340 /23169	POS AT maximum flooding surface	DEF AT 5
25510 /23339	POS AT sequence boundary	DEF AT 5
25889 /23718	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
25890 /23719	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
25920 /23749	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
26370 /24199	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5
26382 /24211	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 70	<b>Date of Summary:</b> 31-JAN-2001	<b>First Sample Examined:</b> 18990
<b>Lease Number:</b> G16949	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 27902
<b>API Well Number:</b> 608124000000	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 76
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18990 - 28000	<b>Water Depth:</b> 5505
<b>Public Info Code:</b> Y 10-AUG-2005	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Catahoula Prospect, calcareous nannofossil report, 19470=rare mixed nannos

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18990 /18977	DEF AT first sample examined	DEF AT
18991 /18978	POS AT Pliocene	DEF AT
18992 /18979	POS AT Miocene	DEF AT
19110 /19096	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19470 /19452	POS AT out-of-place section	DEF AT
19530 /19511	POS AT reworked material	DEF AT
19590 /19570	POS AT reworked material	DEF AT
19890 /19866	POS AT reworked material	DEF AT
20130 /20102	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20370 /20339	DEF AT local marker floral decrease	DEF AT
20970 /20930	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
21690 /21641	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
21810 /21760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22770 /22708	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
23880 /23805	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
24509 /24428	POS AT reworked material	DEF AT
24510 /24429	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
25050 /24965	DEF AT local marker floral increase	DEF AT
25410 /25323	POS AT local marker floral increase	DEF AT
27060 /26965	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
27600 /27503	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
28000 /27901	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 70	Date of Summary: 12-MAR-2001	First Sample Examined: 18960
Lease Number: G16949	Source of Paleo: OPERATOR	Borehole MD: 28000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27902
API Well Number: 608124000000	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 76
Paleo Report Num: 2 of 2	Sample Range: 18960 - 28000	Water Depth: 5505
Public Info Code: Y 10-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Catahoula Prospect, 18960=first sample below salt, contains mixed Pliocene and Miocene fauna, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18960 /18947	DEF AT first sample examined	DEF IN 4
18961 /18948	POS AT Pliocene	DEF IN 4
18962 /18949	POS AT Miocene	DEF IN 4
19020 /19007	DEF AT local marker planktic foram increase	DEF AT 4
19050 /19036	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19380 /19363	DEF AT faunal change (no faunal increase)	DEF AT 4
20070 /20043	DEF AT local marker planktic foram increase	DEF AT 4
20160 /20132	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 4
20340 /20309	DEF AT local marker foram increase	DEF AT 4
20910 /20871	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
21000 /20960	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF IN 4
21030 /20989	DEF AT sand	DEF AT 4
21090 /21049	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21179 /21137	DEF AT pyrite	DEF AT 4
21180 /21138	DEF AT local marker planktic foram increase	DEF AT 4
21300 /21256	DEF AT cement	DEF AT 4
21540 /21493	DEF AT local marker foram increase	DEF AT 4
21750 /21701	DEF AT pyrite	DEF AT 4
21780 /21730	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21809 /21759	DEF AT pyrite	DEF AT 4
22110 /22057	DEF AT local marker foram increase	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 70  
Lease Number: G16949  
Well Name: 001  
API Well Number: 608124000000  
Paleo Report Num: 2 of 2  
Public Info Code: Y 10-AUG-2005

Date of Summary: 12-MAR-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 18960 - 28000  
Ecozone Eq MMS: Y

First Sample Examined: 18960  
Borehole MD: 28000  
Borehole TVD: 27902  
Rkb Elevation: 76  
Water Depth: 5505  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22170 /22116	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
22200 /22145	DEF AT faunal change (no faunal increase)	DEF AT 4
22230 /22175	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
22470 /22412	DEF AT pyrite	DEF AT 4
22500 /22442	DEF AT local marker foram increase	DEF AT 5
22559 /22500	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
22560 /22501	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
22590 /22531	DEF AT pyrite	DEF AT 4
22620 /22560	DEF AT Cyclammina sp. (local marker)	DEF AT 4
23310 /23242	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
23340 /23272	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
23400 /23331	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
23460 /23390	DEF AT local marker benthic foram increase	DEF AT 4
24038 /23962	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24090 /24013	DEF AT drilling material	DEF AT 4
24180 /24102	DEF AT local marker planktic foram increase	DEF AT 4
24330 /24251	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24360 /24280	DEF AT local marker planktic foram increase	DEF AT 4
24750 /24667	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24780 /24697	DEF AT Cyclammina sp. (local marker)	DEF AT 4
24870 /24786	DEF AT local marker planktic foram increase	DEF AT 4
24930 /24846	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
24960 /24876	DEF AT pyrite	DEF AT 4
25320 /25233	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 70  
Lease Number: G16949  
Well Name: 001  
API Well Number: 608124000000  
Paleo Report Num: 2 of 2  
Public Info Code: Y 10-AUG-2005

Date of Summary: 12-MAR-2001  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: TEXACO EXPLORATION AND PROD  
Sample Range: 18960 - 28000  
Ecozone Eq MMS: Y

First Sample Examined: 18960  
Borehole MD: 28000  
Borehole TVD: 27902  
Rkb Elevation: 76  
Water Depth: 5505  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25470 /25382	DEF AT faunal change (no faunal increase)	DEF AT 4
26091 /26000	DEF AT Bathysiphon fauna	DEF AT 4
26640 /26547	POS AT local marker foram increase	DEF AT 4
27059 /26964	DEF AT limestone	DEF AT 4
27060 /26965	DEF AT local marker (general)	DEF AT 4
27090 /26995	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
27300 /27204	DEF AT faunal change (no faunal increase)	DEF AT 4
27660 /27563	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
27780 /27682	DEF AT Arenaceous fauna (local marker)	DEF AT 4
27810 /27712	DEF AT dolomite	DEF AT 4
27870 /27772	POS AT local marker foram increase	DEF AT 4
27899 /27801	POS AT reworked material	DEF AT 4
27900 /27802	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
28000 /27901	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 95	Date of Summary: 29-OCT-2014	First Sample Examined: 24710
Lease Number: G25234	Source of Paleo: OPERATOR	Borehole MD: 33838
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 33561
API Well Number: 608124009101	Drilling Operator: SHELL OFFSHORE INC.	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 24710 - 33838	Water Depth: 5860
Public Info Code: Y 18-JUN-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Yucatan North 3 Prospect, calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24710 /24634	DEF AT first sample examined	DEF AT
24711 /24635	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25305 /25217	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25665 /25568	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25785 /25685	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26235 /26125	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
26565 /26447	DEF AT local marker floral decrease	DEF AT
26625 /26506	DEF AT reworked material	DEF AT
26805 /26681	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
26955 /26828	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27344 /27209	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
27345 /27210	POS AT Lower Miocene (Aquitainian) Cyclocargolithus abisectus	DEF AT
27495 /27357	DEF AT reworked material	DEF AT
27575 /27435	DEF AT drilling material	DEF AT
28305 /28149	DEF AT - - - - -	DEF AT
28454 /28295	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
28455 /28296	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
28545 /28384	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
28785 /28619	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
28845 /28678	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
28905 /28736	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
29025 /28854	POS AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 95	<b>Date of Summary:</b> 29-OCT-2014	<b>First Sample Examined:</b> 24710
<b>Lease Number:</b> G25234	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33838
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 33561
<b>API Well Number:</b> 608124009101	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 24710 - 33838	<b>Water Depth:</b> 5860
<b>Public Info Code:</b> Y 18-JUN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29055 /28883	DEF IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
29175 /29000	DEF AT local marker floral increase	DEF AT
29475 /29294	POS AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
29533 /29351	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
29534 /29352	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
29535 /29353	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
29565 /29382	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
29592 /29408	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
29593 /29409	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
29594 /29410	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
29595 /29411	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
29775 /29587	DEF IN Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
29834 /29645	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
29835 /29646	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
29895 /29705	POS AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
29925 /29734	DEF AT local marker floral decrease	DEF AT
30045 /29851	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
30135 /29939	POS AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
30165 /29969	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
30195 /29998	DEF AT local marker floral increase	DEF AT
30225 /30028	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
30310 /30111	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
30670 /30463	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
31270 /31050	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 95	<b>Date of Summary:</b> 29-OCT-2014	<b>First Sample Examined:</b> 24710
<b>Lease Number:</b> G25234	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33838
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 33561
<b>API Well Number:</b> 608124009101	<b>Drilling Operator:</b> SHELL OFFSHORE INC.	<b>Rkb Elevation:</b> 104
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 24710 - 33838	<b>Water Depth:</b> 5860
<b>Public Info Code:</b> Y 18-JUN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31329 /31107	DEF AT local marker floral increase	DEF AT
31330 /31108	DEF IN Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT
31790 /31558	DEF AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT
31910 /31675	POS AT Upper Paleocene Selandian Stage	DEF AT
33600 /33328	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
33720 /33445	DEF AT Paleocene Midway Group/Provincial Stage	DEF AT
33749 /33474	DEF AT Upper Paleocene (Selandian) Vaginulina midwayensis	DEF AT
33750 /33475	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
33780 /33504	POS AT Lower Paleocene (Danian) Globoconusa daubjergensis	DEF AT
33808 /33531	DEF AT limestone	DEF AT
33809 /33532	DEF IN Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT
33810 /33533	DEF IN Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	DEF AT
33838 /33561	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 98	Date of Summary: 11-DEC-2012	First Sample Examined: 24930
Lease Number: G21841	Source of Paleo: OPERATOR	Borehole MD: 31866
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30580
API Well Number: 608124007600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 24930 - 31850	Water Depth: 6127
Public Info Code: Y 18-FEB-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Coronado 2 Prospect, subsalt calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24930 /24900	DEF AT first sample examined	DEF AT
24931 /24901	DEF IN salt	DEF AT
25050 /25013	DEF AT out-of-place section	DEF AT
25430 /25364	DEF AT reworked material	DEF AT
25550 /25471	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
25850 /25726	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
27230 /26845	DEF AT Lower Miocene (Aquitainian) Sphenolithus dissimilis	DEF AT
27350 /26942	DEF AT Lower Miocene (Aquitainian) Cyclocargolithus abisectus	DEF AT
27529 /27087	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
27530 /27088	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
27575 /27124	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
27620 /27160	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
28100 /27547	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT
28310 /27716	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
28338 /27738	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
28339 /27739	POS AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
28340 /27740	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28490 /27860	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
28729 /28052	DEF IN Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
28730 /28052	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
28820 /28125	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
29030 /28293	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 98  
 Lease Number: G21841  
 Well Name: 001  
 API Well Number: 608124007600  
 Paleo Report Num: 1 of 4  
 Public Info Code: Y 18-FEB-2015

Date of Summary: 11-DEC-2012  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 24930 - 31850  
 Ecozone Eq MMS:

First Sample Examined: 24930  
 Borehole MD: 31866  
 Borehole TVD: 30580  
 Rkb Elevation: 82  
 Water Depth: 6127  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29450 /28631	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT
31850 /30567	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 98	Date of Summary: 13-DEC-2012	First Sample Examined: 24950
Lease Number: G21841	Source of Paleo: OPERATOR	Borehole MD: 31866
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30580
API Well Number: 608124007600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 24950 - 31866	Water Depth: 6127
Public Info Code: Y 18-FEB-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Coronado 2 Prospect subsalt foram report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24950 /24919	DEF AT first sample examined	POS AT 5
25049 /25012	DEF AT base of salt	DEF AT 5
25050 /25013	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
25460 /25391	DEF AT turbid water facies	POS AT 5
25490 /25418	DEF AT local white Arenacous fauna	POS AT 5
25520 /25445	DEF AT local white Arenacous fauna	DEF AT 5
25729 /25625	DEF AT turbid water facies	POS AT 5
25730 /25626	DEF AT Bathysiphon fauna	POS AT 5
26300 /26091	DEF AT foram flood	DEF AT 5
26630 /26359	DEF AT turbid water facies	POS AT 5
26960 /26626	DEF AT Bathysiphon fauna	POS AT 5
27380 /26966	DEF AT local marker planktic foram increase	DEF AT 5
27440 /27015	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
27530 /27088	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
27590 /27136	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
27649 /27184	DEF AT foram flood	DEF AT 5
27650 /27184	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
27860 /27354	DEF AT foram flood	DEF AT 5
27950 /27427	DEF AT local marker foram decrease	DEF AT 5
28250 /27668	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
28280 /27692	DEF AT foram flood	DEF AT 5
28340 /27740	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 98  
Lease Number: G21841  
Well Name: 001  
API Well Number: 608124007600  
Paleo Report Num: 2 of 4  
Public Info Code: Y 18-FEB-2015

Date of Summary: 13-DEC-2012  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
Sample Range: 24950 - 31866  
Ecozone Eq MMS:

First Sample Examined: 24950  
Borehole MD: 31866  
Borehole TVD: 30580  
Rkb Elevation: 82  
Water Depth: 6127  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28369 /27763	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
28370 /27764	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
28399 /27787	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
28400 /27788	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
28429 /27811	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 5
28430 /27812	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
28460 /27836	DEF AT radiolarians	DEF AT 6
28489 /27859	DEF AT limestone	DEF AT 6
28490 /27860	DEF AT radiolarians	DEF AT 6
28550 /27908	DEF AT pyrite	DEF AT 6
28610 /27956	DEF AT radiolarians	DEF AT 6
28760 /28076	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 6
28789 /28100	POS AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 6
28790 /28101	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 6
28819 /28124	DEF AT pyrite	DEF AT 6
28820 /28125	DEF AT Bathysiphon fauna	DEF AT 6
28939 /28220	DEF AT radiolarians	DEF AT 6
28940 /28221	POS AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 6
29000 /28269	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 6
29210 /28438	DEF AT radiolarians	DEF AT 6
29390 /28583	DEF AT pyrite	DEF AT 6
29630 /28775	POS AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 6
29870 /28968	DEF AT Bathysiphon fauna	DEF AT 6
29990 /29065	DEF AT pyrite	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 98  
 Lease Number: G21841  
 Well Name: 001  
 API Well Number: 608124007600  
 Paleo Report Num: 2 of 4  
 Public Info Code: Y 18-FEB-2015

Date of Summary: 13-DEC-2012  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: UNION OIL COMPANY OF CALIFORNIA  
 Sample Range: 24950 - 31866  
 Ecozone Eq MMS:

First Sample Examined: 24950  
 Borehole MD: 31866  
 Borehole TVD: 30580  
 Rkb Elevation: 82  
 Water Depth: 6127  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30110 /29162	POS AT Bathysiphon fauna	DEF AT 6
30260 /29282	DEF AT pyrite	DEF AT 6
30560 /29524	DEF AT Bathysiphon fauna	DEF AT 6
30710 /29645	DEF AT Bathysiphon fauna	DEF AT 6
30950 /29839	DEF AT pyrite	DEF AT 6
30980 /29863	DEF AT Bathysiphon fauna	DEF AT 6
31820 /30543	POS AT local marker planktic foram increase	DEF AT 5
31850 /30567	DEF AT Lower Paleocene (Danian) Globoconusa daubjergensis	DEF AT 5
31866 /30580	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 98	Date of Summary: 05-MAR-2013	First Sample Examined: 11259
Lease Number: G21841	Source of Paleo: OPERATOR	Borehole MD: 31866
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30580
API Well Number: 608124007600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 11259 - 12430	Water Depth: 6127
Public Info Code: Y 18-FEB-2015	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Coronado 2 Prospect suprasalt foram report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11259 /11259	DEF AT first sample examined	DEF AT 5
11260 /11260	DEF IN Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
11261 /11261	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11500 /11500	DEF AT - - - - -	DEF AT 4
11710 /11710	DEF AT pyrite	DEF AT 4
11740 /11740	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
11799 /11799	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11800 /11800	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11980 /11980	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12070 /12070	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12130 /12130	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12250 /12250	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12310 /12310	DEF AT out-of-place section	DEF AT 5
12400 /12400	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
12430 /12430	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 98	<b>Date of Summary:</b> 25-APR-2013	<b>First Sample Examined:</b> 11260
<b>Lease Number:</b> G21841	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 31866
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 30580
<b>API Well Number:</b> 608124007600	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 11260 - 12400	<b>Water Depth:</b> 6127
<b>Public Info Code:</b> Y 18-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 004

**Remark:** Coronado 2 Prospect, suprasalt calcareous nannofossil report by Jason Crux, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11260 /11260	DEF AT first sample examined	DEF AT
11290 /11290	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11739 /11739	DEF AT floral flood	DEF AT
11740 /11740	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11800 /11800	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11860 /11860	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12040 /12040	DEF AT local marker floral increase	DEF AT
12137 /12137	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
12250 /12250	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12280 /12280	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12310 /12310	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
12350 /12350	DEF IN salt	DEF AT
12400 /12400	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 98	<b>Date of Summary:</b> 11-JUN-2013	<b>First Sample Examined:</b> 31980
<b>Lease Number:</b> G21841	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33522
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 32864
<b>API Well Number:</b> 608124007601	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 31980 - 33522	<b>Water Depth:</b> 6128
<b>Public Info Code:</b> Y 18-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** No age-diagnostic fossils reported in paleo report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31980 /31330	DEF AT first sample examined	DEF AT 7
32040 /31390	DEF AT pyrite	DEF AT 7
32340 /31688	DEF AT pyrite	DEF AT 7
32400 /31748	DEF AT pyrite	DEF AT 7
32610 /31957	DEF AT Bathysiphon fauna	DEF AT 7
32850 /32196	DEF AT drilling material	DEF AT 7
33060 /32405	DEF AT pyrite	DEF AT 7
33240 /32584	DEF AT drilling material	DEF AT 7
33522 /32864	DEF AT last sample examined	DEF AT 7

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 98	<b>Date of Summary:</b> 01-JUL-2013	<b>First Sample Examined:</b> 31980
<b>Lease Number:</b> G21841	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33522
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 32864
<b>API Well Number:</b> 608124007601	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 31980 - 33522	<b>Water Depth:</b> 6128
<b>Public Info Code:</b> Y 18-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31980 /31330	DEF AT first sample examined	DEF AT
31981 /31331	DEF IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
33522 /32864	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 143	Date of Summary: 01-NOV-2011	First Sample Examined: 9550
Lease Number: G21849	Source of Paleo: OPERATOR	Borehole MD: 12115
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 12115
API Well Number: 608124004900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 9550 - 12114	Water Depth: 5495
Public Info Code: Y 18-FEB-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9550 / 9550	DEF AT first sample examined	DEF AT
9551 / 9551	DEF IN Pleistocene	DEF AT
9790 / 9790	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10030 /10030	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10180 /10180	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
10300 /10300	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10420 /10420	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10450 /10450	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10840 /10840	DEF AT local marker floral increase	DEF AT
10930 /10930	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11020 /11020	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11284 /11284	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11830 /11830	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11876 /11876	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11980 /11980	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT
12010 /12010	DEF AT local marker floral increase	DEF AT
12039 /12039	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12040 /12040	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12114 /12114	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 143	<b>Date of Summary:</b> 10-JAN-2012	<b>First Sample Examined:</b> 9550
<b>Lease Number:</b> G21849	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12115
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 12115
<b>API Well Number:</b> 608124004900	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 9550 - 12114	<b>Water Depth:</b> 5495
<b>Public Info Code:</b> Y 18-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9550 / 9550	DEF AT first sample examined	DEF AT 5
9790 / 9790	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
10059 /10059	DEF AT local marker planktic foram increase	DEF AT 5
10060 /10060	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
10389 /10389	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
10390 /10390	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10870 /10870	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10990 /10990	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11050 /11050	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11500 /11500	DEF AT local marker planktic foram increase	DEF IN 5
11530 /11530	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11649 /11649	DEF AT foram flood	DEF IN 5
11650 /11650	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11680 /11680	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11730 /11730	DEF AT foram flood	DEF IN 5
11770 /11770	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
11876 /11876	DEF AT pyrite	DEF IN 5
11979 /11979	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
11980 /11980	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
12100 /12100	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
12114 /12114	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 143	<b>Date of Summary:</b> 10-MAY-2014	<b>First Sample Examined:</b> 24210
<b>Lease Number:</b> G21849	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28430
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28430
<b>API Well Number:</b> 608124008900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24210 - 28430	<b>Water Depth:</b> 5764
<b>Public Info Code:</b> Y 18-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Coronado Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24210 /24210	DEF AT first sample examined	DEF AT 6
24211 /24211	DEF AT out-of-place section	DEF AT 6
25390 /25390	DEF AT - - - - -	DEF AT 5
25539 /25539	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
25540 /25540	DEF IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
25660 /25660	DEF AT turbid water facies	POS AT 5
25930 /25930	DEF AT - - - - -	DEF AT 5
26050 /26050	DEF AT Bathysiphon fauna	DEF AT 5
26140 /26140	DEF AT maximum flooding surface	DEF AT 5
26290 /26290	DEF AT turbid water facies	POS AT 5
26440 /26440	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26530 /26530	DEF AT turbid water facies	POS AT 5
26710 /26710	DEF AT - - - - -	DEF AT 5
26890 /26890	DEF AT turbid water facies	POS AT 5
26920 /26920	DEF AT - - - - -	DEF AT 5
26980 /26980	DEF AT turbid water facies	POS AT 5
27700 /27700	DEF AT Cyclammina sp. (local marker)	DEF AT 5
27730 /27730	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
27760 /27760	POS AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
27880 /27880	DEF AT turbid water facies	POS AT 5
28180 /28180	DEF AT - - - - -	DEF AT 5
28210 /28210	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 143	<b>Date of Summary:</b> 10-MAY-2014	<b>First Sample Examined:</b> 24210
<b>Lease Number:</b> G21849	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28430
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28430
<b>API Well Number:</b> 608124008900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24210 - 28430	<b>Water Depth:</b> 5764
<b>Public Info Code:</b> Y 18-FEB-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28330 /28330	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
28360 /28360	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 143	<b>Date of Summary:</b> 01-JUN-2014	<b>First Sample Examined:</b> 25210
<b>Lease Number:</b> G21849	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28430
<b>Well Name:</b> 003	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28430
<b>API Well Number:</b> 608124008900	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 25210 - 28430	<b>Water Depth:</b> 5764
<b>Public Info Code:</b> Y 18-FEB-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Coronado Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25210 /25210	DEF AT first sample examined	DEF AT
25211 /25211	DEF AT out-of-place section	DEF AT
25570 /25570	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25690 /25690	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26500 /26500	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
26560 /26560	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
26890 /26890	DEF AT local marker floral increase	DEF AT
27580 /27580	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27969 /27969	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
27970 /27970	DEF AT Lower Miocene (Aquitanean) Discoaster saundersi	DEF AT
28090 /28090	DEF AT Lower Miocene (Aquitanean) Helicosphaera recta	DEF AT
28120 /28120	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
28149 /28149	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
28150 /28150	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
28330 /28330	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
28430 /28430	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 155	Date of Summary: 17-JAN-2008	First Sample Examined: 23149
Lease Number: G18649	Source of Paleo: OPERATOR	Borehole MD: 24485
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23412
API Well Number: 608124002800	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 23149 - 24350	Water Depth: 5906
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23149 /22249	DEF AT first sample examined	DEF AT
23150 /22250	DEF IN salt	DEF AT
23269 /22353	POS IN out-of-place section	DEF AT
23270 /22354	POS IN local marker floral increase	DEF AT
23299 /22379	POS IN Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23300 /22380	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24158 /23127	DEF AT local marker planktic foram increase	DEF AT 4
24159 /23128	POS AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 4
24160 /23129	POS AT Lower Cretaceous (Aptian) Hedbergella sigali	DEF AT 4
24199 /23163	DEF AT limestone	DEF AT 4
24200 /23164	DEF AT local marker floral increase	DEF AT 4
24288 /23240	DEF AT local marker planktic foram increase	DEF AT 4
24289 /23241	POS AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 4
24290 /23242	POS AT Lower Cretaceous (Albian) Ticinella roberti	DEF AT 4
24350 /23294	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 155	Date of Summary: 31-MAR-2008	First Sample Examined: 18990
Lease Number: G18649	Source of Paleo: OPERATOR	Borehole MD: 28512
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27582
API Well Number: 608124002801	Drilling Operator: ANADARKO US OFFSHORE LLC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 18990 - 28512	Water Depth: 5882
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Atlas Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18990 /18618	DEF AT first sample examined	DEF AT
18991 /18618	DEF IN salt	DEF AT
22680 /22173	DEF AT out-of-place section	DEF AT 5
22730 /22223	DEF AT -----	DEF AT 4
22820 /22313	DEF AT -----	DEF AT 5
23000 /22493	DEF AT -----	DEF AT 4
23300 /22793	DEF AT -----	POS AT 3
23390 /22883	DEF AT -----	DEF AT 5
23450 /22943	DEF AT -----	POS AT 5
23690 /23183	DEF AT -----	DEF AT 3
23810 /23303	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
23870 /23363	DEF AT -----	DEF AT 5
23897 /23390	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
23898 /23391	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
23899 /23392	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23900 /23393	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
23930 /23423	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
23960 /23453	DEF AT -----	DEF IN 5
24020 /23513	DEF AT -----	DEF AT 5
24140 /23633	DEF AT -----	DEF AT 4
24500 /23993	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 155	<b>Date of Summary:</b> 31-MAR-2008	<b>First Sample Examined:</b> 18990
<b>Lease Number:</b> G18649	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28512
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27582
<b>API Well Number:</b> 608124002801	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18990 - 28512	<b>Water Depth:</b> 5882
<b>Public Info Code:</b> Y 04-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24680 /24173	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 4
24710 /24203	DEF AT out-of-place section	DEF AT 4
25008 /24499	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
25009 /24500	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
25010 /24501	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT 4
25245 /24732	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
25246 /24733	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 5
25247 /24734	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
25248 /24735	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
25249 /24736	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
25250 /24737	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
25400 /24882	POS AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 5
25490 /24967	POS AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT 5
25610 /25080	POS AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT 5
25699 /25161	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
25700 /25162	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
25730 /25190	DEF IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
25758 /25215	POS AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 5
25759 /25216	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
25760 /25217	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
25790 /25244	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
25850 /25297	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
25880 /25324	POS AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 5
25910 /25350	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 155	<b>Date of Summary:</b> 31-MAR-2008	<b>First Sample Examined:</b> 18990
<b>Lease Number:</b> G18649	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28512
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27582
<b>API Well Number:</b> 608124002801	<b>Drilling Operator:</b> ANADARKO US OFFSHORE LLC	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 18990 - 28512	<b>Water Depth:</b> 5882
<b>Public Info Code:</b> Y 04-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25940 /25376	DEF AT radiolarians	DEF AT 5
26629 /25968	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT 5
26630 /25968	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
26660 /25994	POS AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT 5
26750 /26072	POS AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF AT 4
27080 /26355	DEF AT -----	DEF AT 5
27200 /26458	DEF AT -----	POS AT 4
27620 /26818	POS AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	POS AT 4
27860 /27024	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	POS AT 4
28010 /27153	DEF AT -----	DEF AT 4
28250 /27358	POS AT out-of-place section	POS AT 4
28400 /27486	DEF AT radiolarians	POS AT 5
28430 /27512	POS AT out-of-place section	POS AT 5
28488 /27562	DEF AT Upper Cretaceous (Maastrichtian) Micula prinsii (FAD)	DEF AT
28489 /27563	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
28490 /27563	DEF AT Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT
28512 /27582	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 165	<b>Date of Summary:</b> 22-MAR-2000	<b>First Sample Examined:</b> 10240
<b>Lease Number:</b> G20287	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18404
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18400
<b>API Well Number:</b> 608124000100	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 10240 - 18402	<b>Water Depth:</b> 7997
<b>Public Info Code:</b> Y 17-JUN-2003	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10240 /10240	DEF AT first sample examined	DEF AT 5
10770 /10770	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
18402 /18398	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 165	<b>Date of Summary:</b> 22-MAR-2000	<b>First Sample Examined:</b> 10240
<b>Lease Number:</b> G20287	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18404
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 18400
<b>API Well Number:</b> 608124000100	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 10240 - 18402	<b>Water Depth:</b> 7997
<b>Public Info Code:</b> Y 17-JUN-2003	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10240 /10240	DEF AT first sample examined	DEF AT
10620 /10620	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13680 /13677	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
15630 /15626	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15900 /15896	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16950 /16946	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17280 /17276	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18402 /18398	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206	Date of Summary: 01-MAY-2002	First Sample Examined: 11750
Lease Number: G16965	Source of Paleo: OPERATOR	Borehole MD: 26710
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26685
API Well Number: 608124000800	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 11750 - 26710	Water Depth: 8143
Public Info Code: Y 14-MAY-2012	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Cascade I Prospect, calcareous nannofossil report, 26330=possible Upper Paleocene Fasciculithus involutus, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11750 /11750	DEF AT first sample examined	DEF AT
12230 /12230	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13460 /13456	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
14270 /14263	DEF AT floral flood	DEF AT
15320 /15310	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17030 /17018	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17330 /17318	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
17480 /17468	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17540 /17528	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17570 /17558	DEF AT local marker floral increase	DEF AT
17810 /17798	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20200 /20187	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20500 /20487	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20830 /20817	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21279 /21266	DEF AT unconformity	DEF AT
21280 /21267	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22420 /22407	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22480 /22467	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23260 /23247	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23350 /23337	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23590 /23577	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 206	<b>Date of Summary:</b> 01-MAY-2002	<b>First Sample Examined:</b> 11750
<b>Lease Number:</b> G16965	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26710
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 26685
<b>API Well Number:</b> 608124000800	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11750 - 26710	<b>Water Depth:</b> 8143
<b>Public Info Code:</b> Y 14-MAY-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23740 /23727	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23770 /23757	DEF AT reworked material	DEF AT
23969 /23956	DEF AT condensed section	DEF AT
23970 /23957	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
24030 /24016	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT
24060 /24046	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
24090 /24076	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
24420 /24406	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24810 /24796	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
24811 /24797	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
24854 /24840	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
24870 /24856	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
24871 /24857	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
24900 /24886	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
24930 /24916	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
25200 /25185	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
25230 /25215	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
25260 /25245	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
25290 /25275	DEF AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF AT
26330 /26308	POS AT Upper (Late) Paleocene	DEF AT
26710 /26685	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 206	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 11750
<b>Lease Number:</b> G16965	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26710
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 26685
<b>API Well Number:</b> 608124000800	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11750 - 26710	<b>Water Depth:</b> 8143
<b>Public Info Code:</b> Y 14-MAY-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Cascade I Prospect, 24990=predominantly Oligocene fauna with no Eocene noted to 25200, 25200=resumption of Eocene with Nuttalites trumpyi and abundant radiolarians, 25230=at or about Cook Mountain, 25470=rare Lower Eocene Morozovella aequa, 25985=rare late Paleocene Rzehakina epigona, 26060=possible Lower Eocene Planorotalites chapmani, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11750 /11750	DEF AT first sample examined	DEF AT 4
11751 /11751	DEF AT Holocene Globorotalia inflata	DEF AT 4
12290 /12290	POS AT local marker planktic foram increase	DEF AT 4
13460 /13456	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
14180 /14173	DEF AT local marker benthic foram increase	DEF AT 4
14210 /14203	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
15290 /15280	DEF AT local marker foram increase	DEF AT 4
15650 /15639	DEF AT faunal change (no faunal increase)	DEF AT 5
16580 /16568	DEF AT faunal change (no faunal increase)	DEF AT 4
18168 /18156	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
18169 /18157	DEF AT foram flood	DEF AT 6
18170 /18158	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
18230 /18218	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
18260 /18248	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
18290 /18278	DEF AT faunal change (no faunal increase)	DEF AT 5
18545 /18533	DEF AT faunal change (no faunal increase)	POS AT 4
19090 /19078	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
19510 /19498	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
20110 /20097	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
20140 /20127	DEF AT limestone	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206  
Lease Number: G16965  
Well Name: 001  
API Well Number: 608124000800  
Paleo Report Num: 2 of 2  
Public Info Code: Y 14-MAY-2012

Date of Summary: 01-JUN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 11750 - 26710  
Ecozone Eq MMS: Y

First Sample Examined: 11750  
Borehole MD: 26710  
Borehole TVD: 26685  
Rkb Elevation: 83  
Water Depth: 8143  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20590 /20577	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
20679 /20666	DEF AT foram flood	DEF AT 4
20680 /20667	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
20800 /20787	DEF AT faunal change (no faunal increase)	DEF AT 4
21220 /21207	DEF AT Bathysiphon fauna	DEF AT 4
21370 /21357	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
21458 /21445	POS AT unconformity	DEF AT 4
21459 /21446	POS AT condensed section	DEF AT 4
21460 /21447	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21490 /21477	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 4
21550 /21537	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21670 /21657	DEF AT local marker (general)	DEF AT 4
21760 /21747	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21850 /21837	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
21880 /21867	DEF AT deepwater facies Planulina	DEF AT 5
21910 /21897	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
21970 /21957	DEF AT faunal change (no faunal increase)	DEF AT 4
22090 /22077	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
22270 /22257	DEF AT reworked material	DEF AT 4
22450 /22437	DEF AT limestone	DEF AT 4
22590 /22577	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
22870 /22857	DEF AT Bathysiphon fauna	DEF AT 4
23440 /23427	POS IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
23470 /23457	DEF AT Bathysiphon fauna	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206  
Lease Number: G16965  
Well Name: 001  
API Well Number: 608124000800  
Paleo Report Num: 2 of 2  
Public Info Code: Y 14-MAY-2012

Date of Summary: 01-JUN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 11750 - 26710  
Ecozone Eq MMS: Y

First Sample Examined: 11750  
Borehole MD: 26710  
Borehole TVD: 26685  
Rkb Elevation: 83  
Water Depth: 8143  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23500 /23487	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
23530 /23517	DEF AT faunal change (no faunal increase)	DEF AT 4
23860 /23847	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24000 /23986	DEF AT local marker planktic foram increase	DEF AT 5
24059 /24045	DEF AT condensed section	DEF AT 6
24060 /24046	DEF AT local marker foram increase	DEF AT 6
24090 /24076	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
24209 /24195	DEF AT limestone	DEF AT 6
24210 /24196	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
24270 /24256	DEF AT local marker foram decrease	DEF AT 5
24420 /24406	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
24630 /24616	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
24869 /24855	DEF AT condensed section	DEF AT 6
24870 /24856	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 6
24960 /24946	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
24990 /24976	DEF AT - - - - -	DEF AT 5
25200 /25185	DEF AT radiolarians	DEF AT 5
25230 /25215	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 4
25260 /25245	DEF AT radiolarians	DEF AT 4
25349 /25334	POS AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT 4
25350 /25335	DEF AT local marker foram decrease	DEF AT 4
25470 /25454	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 4
25970 /25951	DEF AT Bathysiphon fauna	DEF AT 4
25985 /25966	POS AT Upper Paleocene (Thanetian) Planorotalites compressa	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206  
 Lease Number: G16965  
 Well Name: 001  
 API Well Number: 608124000800  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 14-MAY-2012

Date of Summary: 01-JUN-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
 Sample Range: 11750 - 26710  
 Ecozone Eq MMS: Y

First Sample Examined: 11750  
 Borehole MD: 26710  
 Borehole TVD: 26685  
 Rkb Elevation: 83  
 Water Depth: 8143  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26060 /26040	POS AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 4
26180 /26160	DEF AT faunal change (no faunal increase)	POS AT 4
26360 /26338	DEF AT faunal change (no faunal increase)	DEF AT 4
26710 /26685	DEF AT last sample examined	DEF AT 4



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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 206	<b>Date of Summary:</b> 01-MAY-2002	<b>First Sample Examined:</b> 25335
<b>Lease Number:</b> G16965	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27929
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27908
<b>API Well Number:</b> 608124000801	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 25335 - 27900	<b>Water Depth:</b> 8143
<b>Public Info Code:</b> Y 15-JUN-2012	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Cascade I Prospect, calcareous nannofossil report, 25560=Lower Eocene Discoaster mediosus and Toweius rotundus, 25590=Lower Eocene Cruciplacolithus cribellum, Toweius pertusus, and two Toweius spp, 27000=Upper Paleocene Ericsonia subpertusa, 27840=Eocene (NP5) coccolith assemblage composed of Cruciplacolithus inseedus, Toweius selandianus and Prinsius martinii, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25335 /25320	DEF AT first sample examined	DEF AT
25350 /25335	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
25560 /25544	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
25590 /25574	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
25860 /25844	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
27000 /26983	DEF IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
27840 /27820	POS IN Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
27900 /27880	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 206	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 25335
<b>Lease Number:</b> G16965	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27929
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27908
<b>API Well Number:</b> 608124000801	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 25335 - 27930	<b>Water Depth:</b> 8143
<b>Public Info Code:</b> Y 15-JUN-2012	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Cascade I Prospect, first sample at 25335 appears to be within a poorly fossiliferous section of the Upper Wilcox, 26460=possible Lower Eocene Planorotalites chapmani, 26820=siderite influx, the microfauna is dominated by arenaceous species, composed primarily of Bathysiphon pulses, the dominance of arenaceous assemblages, mainly Bathysiphon sp, is suggestive of highly turbid Upper bathyal conditions, and has been noted as well in the downdip Middle Eocene Yegua section of coastal Texas, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25335 /25320	DEF AT first sample examined	DEF AT 4
25336 /25321	POS IN Eocene	DEF AT 4
25480 /25464	DEF AT -----	POS AT 4
25725 /25709	DEF AT -----	DEF AT 4
25755 /25739	DEF AT -----	POS AT 4
25980 /25964	DEF AT Bathysiphon fauna	DEF AT 4
26250 /26234	DEF AT -----	POS AT 4
26375 /26359	DEF AT reworked material	POS AT 4
26400 /26384	DEF AT Bathysiphon fauna	POS AT 4
26460 /26444	POS AT Lower (Early) Eocene	POS AT 4
26735 /26719	DEF AT -----	DEF AT 4
26820 /26803	DEF AT limestone	DEF AT 4
26897 /26880	DEF AT -----	POS AT 4
27060 /27043	DEF AT -----	DEF AT 4
27090 /27073	POS AT ash	DEF AT 4
27120 /27103	DEF AT Bathysiphon fauna	DEF AT 4
27330 /27312	DEF AT Bathysiphon fauna	DEF AT 4
27525 /27507	DEF AT -----	POS AT 4
27630 /27611	DEF AT -----	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206  
Lease Number: G16965  
Well Name: 001  
API Well Number: 608124000801  
Paleo Report Num: 2 of 2  
Public Info Code: Y 15-JUN-2012

Date of Summary: 01-JUN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 25335 - 27930  
Ecozone Eq MMS: Y

First Sample Examined: 25335  
Borehole MD: 27929  
Borehole TVD: 27908  
Rkb Elevation: 83  
Water Depth: 8143  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27900 /27880	DEF AT Bathysiphon fauna	DEF AT 4
27930 /	DEF AT last sample examined	DEF AT 4

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206	Date of Summary: 01-JUN-2005	First Sample Examined: 26400
Lease Number: G16965	Source of Paleo: OPERATOR	Borehole MD: 30213
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28000
API Well Number: 608124001600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 26400 - 30213	Water Depth: 8160
Public Info Code: Y 28-JUN-2015	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Cascade II Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26400 /25430	DEF AT first sample examined	DEF AT 5
26401 /25431	DEF IN Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
26520 /25509	DEF AT limestone	DEF AT 5
26580 /25548	DEF AT - - - - -	DEF AT 4
26700 /25626	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 4
26835 /25715	DEF AT - - - - -	DEF AT 5
26908 /25763	DEF AT limestone	DEF AT 4
26909 /25763	DEF AT local marker foram decrease	DEF AT 4
26910 /25764	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 4
26940 /25784	DEF AT radiolarians	DEF AT 4
26969 /25803	DEF AT radiolarians	DEF AT 5
26970 /25803	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
27030 /25843	DEF AT foram flood	DEF AT 5
27060 /25862	DEF AT - - - - -	DEF AT 4
27149 /25920	DEF AT drilling material	DEF AT 4
27150 /25921	DEF AT radiolarians	DEF AT 4
27300 /26018	DEF AT - - - - -	POS AT 4
27420 /26096	DEF AT pyrite	POS AT 4
27498 /26147	DEF AT out-of-place section	DEF AT 5
27760 /26315	DEF AT - - - - -	DEF AT 4
28080 /26518	DEF AT limestone	DEF AT 4
28649 /26892	DEF AT Bathysiphon fauna	POS AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 206	<b>Date of Summary:</b> 01-JUN-2005	<b>First Sample Examined:</b> 26400
<b>Lease Number:</b> G16965	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30213
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 28000
<b>API Well Number:</b> 608124001600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 26400 - 30213	<b>Water Depth:</b> 8160
<b>Public Info Code:</b> Y 28-JUN-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28650 /26893	POS AT Paleocene	POS AT 4
29130 /27222	DEF AT calcite	POS AT 4
29279 /27326	DEF AT Bathysiphon fauna	DEF AT 4
29280 /27327	POS AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 4
29310 /27348	DEF AT Bathysiphon fauna	DEF AT 4
29490 /27477	DEF AT limestone	DEF AT 4
29580 /27541	DEF AT Bathysiphon fauna	DEF AT 4
29880 /27756	DEF AT - - - - -	POS AT 4
30213 /28000	DEF AT last sample examined	POS AT 0

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 206	<b>Date of Summary:</b> 01-JUL-2005	<b>First Sample Examined:</b> 12980
<b>Lease Number:</b> G16965	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30213
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 28000
<b>API Well Number:</b> 608124001600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12980 - 30213	<b>Water Depth:</b> 8160
<b>Public Info Code:</b> Y 28-JUN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Cascade II Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12980 /12979	DEF AT first sample examined	DEF AT
13790 /13787	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14150 /14147	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
15230 /15226	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15710 /15706	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16520 /16516	DEF AT local marker floral increase	DEF AT
17090 /17085	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
17120 /17115	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17150 /17145	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
17239 /17234	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
17240 /17235	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17270 /17265	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
17510 /17505	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17540 /17535	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
17570 /17565	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17900 /17895	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
17930 /17925	DEF AT local marker floral increase	DEF AT
18530 /18524	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18590 /18584	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
18650 /18644	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18709 /18703	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
18710 /18704	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206  
Lease Number: G16965  
Well Name: 002  
API Well Number: 608124001600  
Paleo Report Num: 2 of 2  
Public Info Code: Y 28-JUN-2015

Date of Summary: 01-JUL-2005  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 12980 - 30213  
Ecozone Eq MMS:

First Sample Examined: 12980  
Borehole MD: 30213  
Borehole TVD: 28000  
Rkb Elevation: 81  
Water Depth: 8160  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18770 /18764	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
18860 /18854	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20420 /20414	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20450 /20444	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
20480 /20474	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20870 /20864	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
20960 /20954	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21470 /21463	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21690 /21683	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
21720 /21713	DEF AT local marker floral increase	DEF AT
21750 /21743	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21870 /21863	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22289 /22278	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22290 /22279	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22530 /22512	DEF AT local marker floral increase	DEF AT
22770 /22742	DEF AT local marker floral increase	DEF AT
23100 /23049	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23160 /23103	DEF AT local marker floral increase	DEF AT
23310 /23237	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23370 /23291	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23640 /23524	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
23760 /23626	DEF AT local marker floral increase	DEF AT
24029 /23845	DEF AT reworked material	DEF AT
24030 /23846	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 206	<b>Date of Summary:</b> 01-JUL-2005	<b>First Sample Examined:</b> 12980
<b>Lease Number:</b> G16965	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30213
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 28000
<b>API Well Number:</b> 608124001600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12980 - 30213	<b>Water Depth:</b> 8160
<b>Public Info Code:</b> Y 28-JUN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24090 /23893	DEF AT Lower Miocene (Aquitainian) Sphenolithus conicus	DEF AT
24150 /23939	DEF AT Lower Miocene (Aquitainian) Discoaster saundersi	DEF AT
24300 /24052	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
24360 /24095	DEF AT Lower Miocene (Aquitainian) Sphenolithus dissimilis	DEF AT
24420 /24139	DEF AT Lower Miocene (Aquitainian) Helicosphaera recta	DEF AT
24450 /24160	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
24480 /24181	DEF AT local marker floral increase	DEF AT
24570 /24241	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
24690 /24320	DEF IN Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
25170 /24631	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25830 /25058	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
25860 /25077	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
25980 /25156	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
26250 /25332	DEF AT reworked material	DEF AT
26310 /25371	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
26370 /25410	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26580 /25548	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
26940 /25784	DEF AT local marker floral increase	DEF AT
26970 /25803	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
27030 /25843	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
27150 /25921	DEF AT reworked material	DEF AT
27639 /26238	DEF IN Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
27640 /26238	POS AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
30000 /27843	DEF AT reworked material	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 206	<b>Date of Summary:</b> 01-JUL-2005	<b>First Sample Examined:</b> 12980
<b>Lease Number:</b> G16965	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30213
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 28000
<b>API Well Number:</b> 608124001600	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 12980 - 30213	<b>Water Depth:</b> 8160
<b>Public Info Code:</b> Y 28-JUN-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30213 /28000	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206	Date of Summary: 01-DEC-2005	First Sample Examined: 21217
Lease Number: G16970	Source of Paleo: OPERATOR	Borehole MD: 28565
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26575
API Well Number: 608124001601	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 21217 - 28565	Water Depth: 8160
Public Info Code: Y 24-DEC-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21217 /21211	DEF AT first sample examined	DEF AT
21470 /21463	DEF IN Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
21680 /21671	DEF IN Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i> (increase)	DEF AT
21770 /21760	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT
22010 /21994	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
22490 /22443	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
22820 /22732	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i> (acme)	DEF AT
23209 /23046	DEF AT Middle Miocene (Langhian) <i>Helicosphaera ampliaperta</i>	DEF AT
23210 /23046	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (acme)	DEF AT
23360 /23163	DEF AT Lower Miocene (Burdigalian) <i>Reticulofenestra gartneri</i>	DEF AT
23570 /23318	DEF AT Lower Miocene (Burdigalian) <i>Sphenolithus disbelemnos</i>	DEF AT
23600 /23339	DEF AT Lower Miocene (Burdigalian) <i>Orthorhabdus serratus</i>	DEF AT
23720 /23421	DEF AT local marker floral increase	DEF AT
23930 /23555	DEF AT Lower Miocene (Burdigalian) <i>Triquetrorhabdulus carinatus</i>	DEF AT
23990 /23592	DEF AT reworked material	DEF AT
24200 /23717	DEF AT Lower Miocene (Aquitainian) <i>Cyclicargolithus abisectus</i>	DEF AT
24380 /23824	DEF AT Upper Oligocene (Chattian) <i>Sphenolithus delphix</i>	DEF AT
24409 /23842	DEF AT Upper Oligocene (Chattian) <i>Ericsonia fenestrata</i>	DEF AT
24410 /23842	DEF AT Upper Oligocene (Chattian) <i>Sphenolithus ciproensis</i>	DEF AT
24560 /23932	DEF AT Upper Oligocene (Chattian) <i>Sphenolithus distentus</i>	DEF AT
24800 /24077	DEF AT Lower Oligocene (Rupelian) <i>Sphenolithus predistentus</i>	DEF AT
25460 /24479	DEF AT Lower Oligocene (Rupelian) <i>Sphenolithus pseudoradians</i>	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 206  
Lease Number: G16970  
Well Name: 002  
API Well Number: 608124001601  
Paleo Report Num: 1 of 1  
Public Info Code: Y 24-DEC-2015

Date of Summary: 01-DEC-2005  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 21217 - 28565  
Ecozone Eq MMS:

First Sample Examined: 21217  
Borehole MD: 28565  
Borehole TVD: 26575  
Rkb Elevation: 81  
Water Depth: 8160  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25490 /24498	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
25640 /24590	DEF AT reworked material	DEF AT
25970 /24795	DEF IN Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
26000 /24814	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
26090 /24871	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
26120 /24890	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
26270 /24986	DEF AT local marker floral decrease	DEF AT
26570 /25184	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
26750 /25303	DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF AT
28550 /26564	DEF IN Upper Paleocene Selandian Stage	DEF AT
28565 /26575	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 278	Date of Summary: 01-FEB-2008	First Sample Examined: 24900
Lease Number: G18675	Source of Paleo: OPERATOR	Borehole MD: 33513
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 31845
API Well Number: 608124002500	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 24900 - 33513	Water Depth: 6475
Public Info Code: Y 09-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Chuck Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24900 /24567	DEF AT first sample examined	POS AT 5
24930 /24595	DEF AT -----	DEF AT 5
25005 /24666	DEF AT -----	POS AT 5
25109 /24765	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS AT 5
25110 /24766	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	POS AT 5
25200 /24851	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 5
25230 /24879	DEF AT pyrite	POS AT 5
25440 /25075	DEF AT -----	DEF AT 4
25560 /25187	POS AT Arenaceous fauna (local marker)	POS AT 5
25619 /25241	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
25620 /25242	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25709 /25323	DEF AT pyrite	DEF AT 4
25710 /25324	POS AT local marker planktic foram increase	DEF AT 4
26010 /25594	DEF AT pyrite	DEF AT 4
26070 /25647	DEF AT -----	POS AT 4
26220 /25779	DEF AT -----	DEF AT 5
26729 /26217	DEF AT foram flood	DEF AT 5
26730 /26217	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26759 /26242	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
26760 /26243	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 5
26850 /26318	DEF AT pyrite	DEF AT 4
27458 /26826	DEF AT pyrite	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 278	Date of Summary: 01-FEB-2008	First Sample Examined: 24900
Lease Number: G18675	Source of Paleo: OPERATOR	Borehole MD: 33513
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 31845
API Well Number: 608124002500	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 24900 - 33513	Water Depth: 6475
Public Info Code: Y 09-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27600 /26945	DEF AT reworked material	DEF AT 4
27630 /26970	DEF AT reworked material	DEF AT 5
27660 /26995	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
27690 /27020	DEF AT sand	POS AT 5
28260 /27496	DEF AT -----	DEF AT 5
28740 /27895	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
29610 /28618	DEF AT local marker planktic foram increase	DEF AT 6
29640 /28643	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
29700 /28693	DEF AT -----	DEF AT 5
30240 /29143	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
30480 /29340	DEF AT -----	POS AT 5
30690 /29511	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	POS AT 5
30900 /29683	DEF AT -----	DEF AT 5
31049 /29805	DEF AT radiolarians	DEF AT 6
31050 /29806	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 6
31110 /29854	DEF AT radiolarians	DEF IN 6
31140 /29879	DEF AT radiolarians	DEF AT 7
31170 /29903	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 6
31199 /29926	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 6
31200 /29927	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 6
31260 /29976	DEF AT radiolarians	DEF AT 6
31290 /30001	DEF AT -----	DEF IN 6
31320 /30025	DEF AT -----	DEF AT 6
31350 /30050	DEF AT radiolarians	DEF AT 7

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 278	<b>Date of Summary:</b> 01-FEB-2008	<b>First Sample Examined:</b> 24900
<b>Lease Number:</b> G18675	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33513
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 31845
<b>API Well Number:</b> 608124002500	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24900 - 33513	<b>Water Depth:</b> 6475
<b>Public Info Code:</b> Y 09-SEP-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31380 /30074	DEF AT -----	DEF IN 6
31410 /30099	DEF AT -----	DEF AT 6
31440 /30124	DEF AT radiolarians	DEF AT 7
31470 /30148	DEF AT -----	POS AT 7
32840 /31282	DEF AT radiolarians	POS AT 7
33513 /31845	DEF AT last sample examined	POS AT 7

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Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 278	<b>Date of Summary:</b> 01-FEB-2008	<b>First Sample Examined:</b> 13100
<b>Lease Number:</b> G18675	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33513
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 31845
<b>API Well Number:</b> 608124002500	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13100 - 33513	<b>Water Depth:</b> 6475
<b>Public Info Code:</b> Y 09-SEP-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Chuck Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13100 /13100	DEF AT first sample examined	DEF AT
13101 /13101	DEF IN salt	DEF AT
14940 /14940	DEF AT sample gap top	DEF AT
24899 /24566	DEF AT sample gap bottom	DEF AT
24900 /24567	DEF AT out-of-place section	DEF AT
24930 /24595	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25170 /24823	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25380 /25020	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
25920 /25514	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25980 /25567	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
26010 /25594	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
26190 /25753	DEF AT local marker floral increase	DEF AT
26490 /26013	DEF AT reworked material	DEF AT
26940 /26394	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
27240 /26644	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27750 /27070	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
27840 /27145	DEF AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT
28020 /27295	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
28140 /27396	DEF AT reworked material	DEF AT
28409 /27620	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
28410 /27621	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
28740 /27895	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 278	Date of Summary: 01-FEB-2008	First Sample Examined: 13100
Lease Number: G18675	Source of Paleo: OPERATOR	Borehole MD: 33513
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 31845
API Well Number: 608124002500	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 13100 - 33513	Water Depth: 6475
Public Info Code: Y 09-SEP-2008	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28830 /27970	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
29490 /28517	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
29610 /28618	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
29790 /28768	DEF AT local marker floral increase	DEF AT
30030 /28969	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
30090 /29019	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
30450 /29315	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
30600 /29438	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
30690 /29511	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
30750 /29560	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
30900 /29683	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
30960 /29732	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
31050 /29806	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
31079 /29829	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
31080 /29830	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
31170 /29903	DEF AT local marker floral increase	DEF AT
31320 /30025	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
31350 /30050	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
31410 /30099	DEF AT Lower Eocene (Ypresian) Chiasmolithus californicus	DEF AT
31440 /30124	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
31499 /30172	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
31500 /30173	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
32270 /30805	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
32510 /31004	DEF IN Upper Paleocene Thanetian Stage	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 278	<b>Date of Summary:</b> 01-FEB-2008	<b>First Sample Examined:</b> 13100
<b>Lease Number:</b> G18675	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33513
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 31845
<b>API Well Number:</b> 608124002500	<b>Drilling Operator:</b> DEVON ENERGY PRODUCTION COMPANY LP	<b>Rkb Elevation:</b> 86
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13100 - 33513	<b>Water Depth:</b> 6475
<b>Public Info Code:</b> Y 09-SEP-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32810 /31257	DEF AT local marker floral increase	DEF AT
32840 /31282	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
33513 /31845	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 282	Date of Summary: 25-FEB-2014	First Sample Examined: 23850
Lease Number: G33364	Source of Paleo: OPERATOR	Borehole MD: 26700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24308
API Well Number: 608124008600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 23850 - 26700	Water Depth: 6354
Public Info Code: Y 17-OCT-2016	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Maui Prospect, company-integrated foram and nanno report, the microfossil assemblages and lithology suggest that the sediments are dominated by low-concentration turbidites with minor open marine hemipelagic intervals, the depositional environment is interpreted to be distal distributary channel complexes and open marine or transitional marine deposits

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23850 /21457	DEF AT first sample examined	DEF IN 4
23851 /21458	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 4
23880 /21487	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 4
24390 /21997	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 4
24420 /22027	DEF AT reworked material	DEF IN 4
24630 /22237	DEF AT -----	DEF IN 4
24660 /22267	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 4
24780 /22387	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4
25290 /22897	DEF IN Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
25470 /23077	DEF AT -----	DEF IN 5
25490 /23097	DEF AT -----	DEF IN 6
25530 /23137	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 6
25620 /23227	DEF AT -----	DEF IN 5
25799 /23406	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
25800 /23407	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
26280 /23887	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
26340 /23947	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF IN 5
26460 /24067	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF IN 5
26520 /24127	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
26670 /24277	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 282	<b>Date of Summary:</b> 25-FEB-2014	<b>First Sample Examined:</b> 23850
<b>Lease Number:</b> G33364	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26700
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 24308
<b>API Well Number:</b> 608124008600	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 23850 - 26700	<b>Water Depth:</b> 6354
<b>Public Info Code:</b> Y 17-OCT-2016	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26700 /24307	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 286	Date of Summary: 01-JUN-2002	First Sample Examined: 19100
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 27504
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27476
API Well Number: 608124000900	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 19090 - 27504	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 27100=Lower Miocene Reticulofenestra daviesii

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19100 /19094	DEF AT first sample examined	DEF AT
19101 /19095	DEF IN salt	DEF AT
19130 /19123	DEF AT out-of-place section	DEF AT
19160 /19153	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19330 /19323	DEF AT reworked material	DEF AT
19550 /19543	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20680 /20672	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21140 /21131	POS AT local marker floral increase	DEF AT
21910 /21901	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21940 /21931	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22210 /22201	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22240 /22231	DEF AT local marker floral increase	DEF AT
22450 /22441	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22900 /22891	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22960 /22951	POS IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23530 /23521	DEF AT reworked material	DEF AT
23650 /23641	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23740 /23731	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23920 /23911	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
24160 /24151	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25420 /25402	DEF AT local marker floral increase	DEF AT
25480 /25461	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 286	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 19100
<b>Lease Number:</b> G16971	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27504
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27476
<b>API Well Number:</b> 608124000900	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19090 - 27504	<b>Water Depth:</b> 6654
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25990 /25968	DEF AT local marker floral increase	DEF AT
26500 /26477	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26800 /26776	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26830 /26806	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26980 /26956	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
27100 /27075	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27310 /27284	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
27504 /27477	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 286	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 19090
<b>Lease Number:</b> G16971	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27504
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27476
<b>API Well Number:</b> 608124000900	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19090 - 27504	<b>Water Depth:</b> 6654
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** 26530=Lower Miocene Globigerinoides diminutus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19090 /19084	DEF AT first sample examined	DEF AT
19150 /19143	DEF IN local marker foram increase	DEF AT
19300 /19293	DEF AT -----	DEF AT 4
19810 /19802	DEF AT -----	DEF AT 5
19840 /19832	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
19960 /19952	DEF AT local marker foram decrease	DEF AT 4
20140 /20132	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21200 /21191	DEF AT local marker foram increase	DEF AT 4
21940 /21931	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
22240 /22231	DEF AT -----	DEF AT 4
22360 /22351	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
22540 /22531	DEF AT -----	DEF AT 5
22660 /22651	DEF AT -----	DEF AT 4
22690 /22681	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
22990 /22981	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23260 /23251	DEF AT Bathysiphon fauna	DEF AT 4
23709 /23700	POS AT unconformity	DEF AT 5
23710 /23701	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23890 /23881	DEF AT local marker planktic foram increase	DEF AT 5
23950 /23941	DEF AT -----	DEF AT 6
24010 /24001	DEF AT -----	DEF AT 5
24430 /24420	DEF AT -----	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 286	<b>Date of Summary:</b> 01-JUN-2002	<b>First Sample Examined:</b> 19090
<b>Lease Number:</b> G16971	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27504
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27476
<b>API Well Number:</b> 608124000900	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19090 - 27504	<b>Water Depth:</b> 6654
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24610 /24599	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
24848 /24835	POS AT condensed section	DEF AT 4
24849 /24836	POS AT unconformity	DEF AT 4
24850 /24837	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25090 /25075	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
25150 /25134	POS AT local marker foram increase	DEF AT 4
25330 /25313	DEF AT limestone	DEF AT 4
25930 /25908	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
26530 /26507	DEF AT local marker planktic foram increase	DEF AT 4
27010 /26985	DEF AT local marker planktic foram increase	DEF AT 4
27250 /27224	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
27310 /27284	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
27340 /27314	DEF AT sample gap top	POS AT 5
27414 /27387	DEF AT sample gap bottom	DEF AT 4
27504 /27477	DEF AT last sample examined	DEF AT 4

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 286	<b>Date of Summary:</b> 01-AUG-2002	<b>First Sample Examined:</b> 19520
<b>Lease Number:</b> G16971	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24676
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 24659
<b>API Well Number:</b> 608124000901	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19520 - 24676	<b>Water Depth:</b> 6654
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19520 /19505	DEF AT first sample examined	DEF AT 4
19521 /19506	POS IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
19580 /19565	DEF IN Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 4
19760 /19745	DEF AT local marker foram decrease	DEF AT 4
20120 /20105	DEF AT -----	DEF AT 5
20570 /20555	DEF AT -----	DEF AT 4
20630 /20615	POS AT limestone	DEF AT 4
21440 /21424	DEF AT -----	DEF AT 4
21500 /21484	DEF AT Bathysiphon fauna	DEF AT 4
21920 /21904	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
22100 /22084	DEF AT -----	DEF AT 4
22220 /22204	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
22580 /22564	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
22880 /22864	POS AT local marker planktic foram increase	DEF AT 4
23178 /23161	DEF AT pyrite	DEF AT 4
23179 /23162	DEF AT Bathysiphon fauna	DEF AT 4
23180 /23163	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 4
23540 /23523	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
23719 /23702	DEF AT condensed section	DEF AT 6
23720 /23703	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
23780 /23763	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
23840 /23823	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 286	<b>Date of Summary:</b> 01-AUG-2002	<b>First Sample Examined:</b> 19520
<b>Lease Number:</b> G16971	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24676
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 24659
<b>API Well Number:</b> 608124000901	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19520 - 24676	<b>Water Depth:</b> 6654
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23970 /23953	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
24200 /24183	DEF AT local marker foram decrease	DEF AT 6
24230 /24213	DEF AT -----	DEF AT 5
24290 /24273	DEF AT Bathysiphon fauna	DEF AT 5
24350 /24333	DEF AT -----	DEF AT 4
24670 /24653	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
24676 /24659	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 286	Date of Summary: 01-SEP-2002	First Sample Examined: 18200
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 24676
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24659
API Well Number: 608124000901	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 18200 - 24676	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18200 /18187	DEF AT first sample examined	DEF AT
18201 /18188	DEF IN salt	DEF AT
19520 /19505	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19790 /19775	DEF AT reworked material	DEF AT
19820 /19805	DEF AT reworked material	DEF AT
20150 /20135	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
20360 /20345	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20720 /20705	DEF AT local marker floral increase	DEF AT
20960 /20945	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21170 /21154	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21740 /21724	DEF AT reworked material	DEF AT
21920 /21904	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22130 /22114	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22160 /22144	DEF AT local marker floral increase	DEF AT
22310 /22294	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
22400 /22384	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
22460 /22444	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22970 /22953	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23060 /23043	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23120 /23103	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23720 /23703	DEF AT local marker floral increase	DEF AT
23780 /23763	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 286	<b>Date of Summary:</b> 01-SEP-2002	<b>First Sample Examined:</b> 18200
<b>Lease Number:</b> G16971	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24676
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 24659
<b>API Well Number:</b> 608124000901	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 18200 - 24676	<b>Water Depth:</b> 6654
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23940 /23923	DEF AT local marker floral increase	DEF AT
24170 /24153	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24650 /24633	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24676 /24659	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 286	<b>Date of Summary:</b> 01-SEP-2002	<b>First Sample Examined:</b> 24410
<b>Lease Number:</b> G16971	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29452
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29434
<b>API Well Number:</b> 608124000902	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24410 - 29452	<b>Water Depth:</b> 6654
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:**

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24410 /24393	DEF AT first sample examined	DEF AT 4
24411 /24394	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
24530 /24513	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
24770 /24753	DEF AT Bathysiphon fauna	DEF AT 4
25010 /24992	DEF AT local marker planktic foram increase	DEF AT 4
25759 /25741	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25760 /25742	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
26000 /25982	DEF AT local marker planktic foram increase	DEF AT 4
26120 /26102	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
27169 /27151	POS AT condensed section	DEF AT 5
27170 /27152	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 5
27290 /27272	DEF AT - - - - -	DEF AT 4
27540 /27522	DEF AT local marker planktic foram increase	DEF AT 5
27620 /27602	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
27660 /27642	DEF AT - - - - -	DEF AT 4
27939 /27921	DEF AT local marker planktic foram increase	DEF AT 4
27940 /27922	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
28120 /28102	DEF AT local marker planktic foram increase	DEF AT 4
28300 /28282	DEF AT local marker planktic foram increase	DEF AT 4
28340 /28322	DEF AT Arenaceous fauna (local marker)	DEF AT 4
28360 /28342	DEF AT local marker foram decrease	DEF AT 4
28580 /28562	DEF AT - - - - -	DEF AT 0

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 286  
Lease Number: G16971  
Well Name: 001  
API Well Number: 608124000902  
Paleo Report Num: 1 of 2  
Public Info Code: Y 31-JUL-2006

Date of Summary: 01-SEP-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: CONOCO INC  
Sample Range: 24410 - 29452  
Ecozone Eq MMS: Y

First Sample Examined: 24410  
Borehole MD: 29452  
Borehole TVD: 29434  
Rkb Elevation: 79  
Water Depth: 6654  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28660 /28642	DEF AT - - - - -	DEF AT 4
29239 /29220	DEF AT local marker foram increase	DEF AT 5
29240 /29221	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
29420 /29401	DEF AT local marker planktic foram increase	DEF AT 5
29421 /29402	POS AT Oligocene	DEF AT 5
29440 /29421	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
29452 /29433	DEF AT last sample examined	DEF AT 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 286	Date of Summary: 01-SEP-2002	First Sample Examined: 24680
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 29452
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29434
API Well Number: 608124000902	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 24680 - 29452	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, 29420=Upper Oligocene Ericsonia obruta, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24680 /24663	DEF AT first sample examined	DEF AT
25100 /25082	DEF AT reworked material	DEF AT
25130 /25112	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25400 /25382	DEF AT local marker floral increase	DEF AT
25970 /25952	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26210 /26192	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
26540 /26522	DEF AT local marker floral increase	DEF AT
26870 /26852	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26930 /26912	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
27020 /27002	DEF IN Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
27050 /27032	DEF AT local marker floral increase	DEF AT
27350 /27332	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
27540 /27522	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
27720 /27702	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27980 /27962	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
28300 /28282	DEF AT Lower Miocene (Aquitania) Discoaster woodringii	DEF AT
28879 /28860	DEF AT condensed section	DEF AT
28880 /28861	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
28920 /28901	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
29000 /28981	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
29040 /29021	DEF IN Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 286	<b>Date of Summary:</b> 01-SEP-2002	<b>First Sample Examined:</b> 24680
<b>Lease Number:</b> G16971	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29452
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 29434
<b>API Well Number:</b> 608124000902	<b>Drilling Operator:</b> CONOCO INC	<b>Rkb Elevation:</b> 79
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 24680 - 29452	<b>Water Depth:</b> 6654
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29400 /29381	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
29420 /29401	DEF AT local marker floral increase	DEF AT
29440 /29421	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
29452 /29433	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 313	Date of Summary: 01-JAN-2002	First Sample Examined: 9075
Lease Number: G18683	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16072
API Well Number: 608124000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 9075 - 16600	Water Depth: 6288
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Titan South Prospect, 16360=weak, reworked?? Globorotalia peripheroacuta, Globigerinoides sicanus and Cibicides barnetti, 16390=weak, reworked?? Cibicides cushmani and Globorotalia peripheroronda, 16430=weak, reworked?? Cristellaria 49 and Robulus 2, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9075 / 9075	DEF AT first sample examined	DEF AT
9076 / 9076	DEF AT cement	DEF AT
9495 / 9495	DEF AT local marker planktic foram increase	DEF AT 5
9555 / 9555	DEF AT local marker planktic foram increase	DEF AT 6
9675 / 9675	DEF AT faunal change (no faunal increase)	DEF AT 5
10870 /10820	POS AT local marker planktic foram increase	DEF AT 5
10900 /10847	DEF AT local marker planktic foram increase	DEF AT 5
11890 /11725	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
11980 /11804	DEF AT faunal change (no faunal increase)	DEF AT 5
12040 /11857	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
12070 /11884	DEF AT pyrite	DEF AT 5
12100 /11910	DEF AT pyrite	DEF AT 5
12250 /12043	POS AT local marker planktic foram increase	DEF AT 5
12460 /12229	DEF AT pyrite	DEF AT 5
12610 /12365	DEF AT faunal change (no faunal increase)	POS AT 5
12910 /12635	DEF AT pyrite	POS AT 5
13240 /12933	DEF AT local marker foram increase	DEF AT 5
13419 /13095	DEF AT reworked material	POS AT 5
13420 /13095	POS AT Upper Pliocene (Gelasian) Lenticulina 1	POS AT 5
13600 /13258	DEF AT local marker foram increase	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 313  
Lease Number: G18683  
Well Name: 001  
API Well Number: 608124000700  
Paleo Report Num: 1 of 2  
Public Info Code: Y 30-JUN-2007

Date of Summary: 01-JAN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 9075 - 16600  
Ecozone Eq MMS: Y

First Sample Examined: 9075  
Borehole MD: 16720  
Borehole TVD: 16072  
Rkb Elevation: 72  
Water Depth: 6288  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13660 /13312	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS AT 5
13690 /13339	DEF AT pyrite	POS AT 5
13930 /13554	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
14259 /13849	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
14260 /13850	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14289 /13876	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF AT 5
14290 /13877	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14470 /14039	DEF AT faunal change (no faunal increase)	DEF AT 6
14500 /14066	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
14590 /14147	DEF AT faunal change (no faunal increase)	DEF AT 5
14620 /14174	DEF AT pyrite	DEF AT 5
14680 /14227	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
14800 /14335	DEF AT local marker planktic foram increase	DEF AT 5
14889 /14416	DEF AT pyrite	DEF AT 5
14890 /14416	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
14920 /14443	DEF AT pyrite	DEF AT 5
15040 /14552	DEF AT local marker planktic foram increase	DEF AT 5
15160 /14660	DEF AT local marker foram decrease	DEF AT 5
15340 /14823	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
15490 /14959	DEF AT reworked material	DEF AT 5
15610 /15068	DEF AT local marker planktic foram increase	DEF AT 6
15640 /15095	DEF AT local marker planktic foram increase	DEF AT 6
15670 /15122	DEF AT foram flood	DEF AT 6
15730 /15177	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 313	<b>Date of Summary:</b> 01-JAN-2002	<b>First Sample Examined:</b> 9075
<b>Lease Number:</b> G18683	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16720
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 16072
<b>API Well Number:</b> 608124000700	<b>Drilling Operator:</b> DEVON LOUISIANA CORPORATION	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 9075 - 16600	<b>Water Depth:</b> 6288
<b>Public Info Code:</b> Y 30-JUN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15850 /15285	DEF AT local marker planktic foram increase	DEF AT 6
15969 /15393	DEF AT pyrite	DEF AT 6
15970 /15394	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
16060 /15476	DEF AT pyrite	DEF AT 6
16180 /15585	DEF AT faunal change (no faunal increase)	DEF AT 5
16300 /15693	DEF AT pyrite	DEF AT 5
16360 /15747	DEF AT reworked material	DEF AT 5
16390 /15774	DEF AT reworked material	DEF AT 5
16430 /15811	DEF AT reworked material	DEF AT 5
16477 /15853	DEF AT pyrite	POS AT 5
16478 /15854	DEF AT out-of-place section	POS AT 5
16479 /15855	POS AT reworked material	POS AT 5
16480 /15856	POS AT Middle Miocene (Serravallian) Cibicides opima	POS AT 5
16540 /15910	POS AT Middle Miocene (Langhian) Robulus "L" / 43	POS AT 5
16600 /15964	DEF AT last sample examined	POS AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 313	Date of Summary: 01-JAN-2002	First Sample Examined: 9071
Lease Number: G18683	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16072
API Well Number: 608124000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 9071 - 16600	Water Depth: 6288
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Titan South Prospect, calcareous nannofossil report, 12910=Upper Pliocene Discoaster spp increase, 15850=Reticulofenestra pseudumbilica "C", 15880=Upper Miocene Minyllitha convalis second increase, 16150=Catinaster coalitus increase, 16570=Helicosphaera ampliaperta (low) and small increase in Discoaster lidzi, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9071 / 9071	DEF AT first sample examined	DEF AT
9465 / 9465	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9495 / 9495	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
9555 / 9555	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9675 / 9675	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
10900 /10847	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
11829 /11671	DEF AT condensed section	DEF AT
11830 /11672	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11890 /11725	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12040 /11857	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12250 /12043	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12280 /12069	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
12430 /12202	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
13959 /13580	DEF AT condensed section	DEF AT
13960 /13581	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14080 /13689	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14260 /13850	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
14290 /13877	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
14320 /13904	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
14510 /14075	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 313  
Lease Number: G18683  
Well Name: 001  
API Well Number: 608124000700  
Paleo Report Num: 2 of 2  
Public Info Code: Y 30-JUN-2007

Date of Summary: 01-JAN-2002  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: DEVON LOUISIANA CORPORATION  
Sample Range: 9071 - 16600  
Ecozone Eq MMS:

First Sample Examined: 9071  
Borehole MD: 16720  
Borehole TVD: 16072  
Rkb Elevation: 72  
Water Depth: 6288  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14680 /14227	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14710 /14254	DEF AT local marker floral increase	DEF AT
14830 /14362	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
14890 /14416	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14950 /14471	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15670 /15122	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15700 /15149	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
15760 /15204	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15790 /15231	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15820 /15258	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15850 /15285	DEF AT Upper Miocene (Tortonian) Reticulofenestra pseudoumbilica "C"	DEF AT
15880 /15313	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15910 /15340	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15940 /15367	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
15970 /15394	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16000 /15421	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16030 /15449	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16120 /15530	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT
16150 /15557	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
16270 /15666	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16300 /15693	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16330 /15720	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
16360 /15747	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16380 /15765	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 313  
 Lease Number: G18683  
 Well Name: 001  
 API Well Number: 608124000700  
 Paleo Report Num: 2 of 2  
 Public Info Code: Y 30-JUN-2007

Date of Summary: 01-JAN-2002  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: DEVON LOUISIANA CORPORATION  
 Sample Range: 9071 - 16600  
 Ecozone Eq MMS:

First Sample Examined: 9071  
 Borehole MD: 16720  
 Borehole TVD: 16072  
 Rkb Elevation: 72  
 Water Depth: 6288  
 Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16390 /15774	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT
16510 /15883	DEF AT Middle Miocene (Langhian) <i>Discoaster calcosus</i>	DEF AT
16600 /15964	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 316	<b>Date of Summary:</b> 03-JAN-2009	<b>First Sample Examined:</b> 25860
<b>Lease Number:</b> G25246	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33277
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 32609
<b>API Well Number:</b> 608124003700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 25860 - 33250	<b>Water Depth:</b> 6228
<b>Public Info Code:</b> Y 17-SEP-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Lewis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details, samples examined at wellsite and not done in complete detail

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25860 /25859	DEF AT first sample examined	DEF AT
25861 /25860	DEF IN out-of-place section	DEF AT
26039 /26038	DEF AT base of salt	DEF AT
26040 /26039	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
26060 /26059	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26070 /26069	DEF AT local marker floral decrease	DEF AT
26090 /26089	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
26120 /26119	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26150 /26149	DEF AT local marker floral decrease	DEF AT
26840 /26839	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
26990 /26989	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27170 /27169	DEF AT Lower Miocene (Aquitania) Discoaster saundersi	DEF AT
27350 /27349	POS AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
27440 /27438	DEF AT local marker floral decrease	DEF AT
27740 /27735	POS AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
28070 /28057	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
28130 /28115	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
28160 /28144	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
28190 /28173	DEF AT floral flood	DEF AT
28310 /28287	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
28400 /28373	DEF AT floral flood	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 316	<b>Date of Summary:</b> 03-JAN-2009	<b>First Sample Examined:</b> 25860
<b>Lease Number:</b> G25246	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33277
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 32609
<b>API Well Number:</b> 608124003700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 25860 - 33250	<b>Water Depth:</b> 6228
<b>Public Info Code:</b> Y 17-SEP-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28430 /28401	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
28550 /28513	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
28880 /28815	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
29240 /29132	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
29270 /29158	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
29330 /29210	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
29390 /29262	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
29420 /29288	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
29450 /29314	DEF AT local marker floral decrease	DEF AT
29600 /29444	DEF AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF AT
29630 /29470	DEF AT local marker floral decrease	DEF AT
29690 /29522	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
29750 /29574	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
29840 /29652	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
29870 /29678	POS AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
30380 /30117	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
31040 /30685	DEF AT local marker floral decrease	DEF AT
32600 /32027	DEF AT reworked material	DEF AT
33109 /32465	DEF AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
33110 /32466	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 316	<b>Date of Summary:</b> 03-JAN-2009	<b>First Sample Examined:</b> 13490
<b>Lease Number:</b> G25246	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 33277
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 32609
<b>API Well Number:</b> 608124003700	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 13490 - 13830	<b>Water Depth:</b> 6228
<b>Public Info Code:</b> Y 17-SEP-2014	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 003

**Remark:** Lewis Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details, mixed Oligocene and Eocene faunas

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13490 /13490	DEF AT first sample examined	DEF AT
13491 /13491	DEF AT out-of-place section	DEF AT
13830 /13830	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 316	Date of Summary: 06-APR-2009	First Sample Examined: 25860
Lease Number: G25246	Source of Paleo: OPERATOR	Borehole MD: 33277
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32609
API Well Number: 608124003700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 3	Sample Range: 25860 - 33277	Water Depth: 6228
Public Info Code: Y 17-SEP-2014	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Lewis Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25860 /25859	DEF AT first sample examined	DEF AT 5
25861 /25860	POS AT out-of-place section	DEF AT 5
26040 /26039	DEF AT Bathysiphon fauna	DEF AT 5
26480 /26479	POS AT turbid water facies	POS AT 5
26720 /26719	DEF AT - - - - -	DEF AT 5
26750 /26749	POS IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 5
26990 /26989	DEF AT turbid water facies	POS AT 5
27080 /27079	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
27110 /27109	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	POS AT 5
27200 /27199	DEF AT - - - - -	DEF AT 5
27410 /27408	DEF AT local marker foram increase	DEF AT 5
27560 /27557	DEF AT turbid water facies	POS AT 5
27920 /27911	DEF AT - - - - -	DEF AT 5
27950 /27940	DEF AT turbid water facies	POS AT 5
28070 /28057	DEF AT local marker planktic foram increase	DEF AT 5
28160 /28144	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
28190 /28173	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
28310 /28287	POS IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
28460 /28429	DEF AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
28790 /28734	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
28910 /28842	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
29240 /29132	DEF AT radiolarians	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 316  
Lease Number: G25246  
Well Name: 001  
API Well Number: 608124003700  
Paleo Report Num: 3 of 3  
Public Info Code: Y 17-SEP-2014

Date of Summary: 06-APR-2009  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 25860 - 33277  
Ecozone Eq MMS: Y

First Sample Examined: 25860  
Borehole MD: 33277  
Borehole TVD: 32609  
Rkb Elevation: 92  
Water Depth: 6228  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29330 /29210	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
29390 /29262	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
29420 /29288	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 5
29450 /29314	DEF AT radiolarians	DEF AT 5
29780 /29600	DEF AT turbid water facies	POS AT 5
29840 /29652	DEF AT - - - - -	DEF AT 5
29870 /29678	DEF AT turbid water facies	POS AT 5
29990 /29781	DEF AT Lower Eocene (Ypresian) Morozovella acuta	POS AT 5
30200 /29962	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	POS AT 5
30290 /30039	DEF AT turbid water facies	POS AT 5
30620 /30324	DEF AT Bathysiphon fauna	POS AT 5
31220 /30840	DEF AT Bathysiphon fauna	POS AT 5
31490 /31073	DEF AT Bathysiphon fauna	POS AT 5
33130 /32483	DEF AT local marker benthic foram increase	POS AT 5
33249 /32585	DEF AT reworked material	POS AT 5
33250 /32586	DEF AT last sample examined	POS AT 5

**This report contains public paleo reports only for the time period stated**

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 371	Date of Summary: 06-MAY-2008	First Sample Examined: 19886
Lease Number: G18701	Source of Paleo: OPERATOR	Borehole MD: 30596
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28867
API Well Number: 608124003000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 19886 - 30596	Water Depth: 6284
Public Info Code: Y 21-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19886 /19283	DEF AT first sample examined	DEF AT 5
19887 /19284	DEF IN base of salt	DEF AT 5
19888 /19285	DEF IN out-of-place section	DEF AT 5
20150 /19518	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21050 /20324	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
21140 /20404	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
21440 /20673	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
21679 /20887	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
21680 /20888	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
21770 /20969	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT 5
23119 /22175	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
23120 /22176	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
23600 /22605	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
23690 /22686	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
24159 /23106	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
24160 /23107	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
24219 /23160	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24220 /23161	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25180 /24022	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
25359 /24181	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
25360 /24182	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
25840 /24612	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 371  
Lease Number: G18701  
Well Name: 001  
API Well Number: 608124003000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 21-JUL-2008

Date of Summary: 06-MAY-2008  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 19886 - 30596  
Ecozone Eq MMS: Y

First Sample Examined: 19886  
Borehole MD: 30596  
Borehole TVD: 28867  
Rkb Elevation: 91  
Water Depth: 6284  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26170 /24908	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
26200 /24934	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26349 /25068	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
26350 /25069	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
26380 /25095	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26500 /25203	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 5
26560 /25256	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
26680 /25363	DEF AT out-of-place section	DEF AT 5
26710 /25390	POS AT reworked material	DEF AT 5
26769 /25443	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
26770 /25444	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 5
27190 /25823	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT 5
27340 /25956	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
27390 /26001	POS AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
27400 /26010	POS AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 5
27490 /26089	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
27520 /26115	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
27550 /26142	POS AT Lower Oligocene (Rupelian) Nonion struma	DEF AT 5
27670 /26248	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
27760 /26328	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
28180 /26706	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
28198 /26722	DEF IN Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
28299 /26813	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
28300 /26814	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 371  
Lease Number: G18701  
Well Name: 001  
API Well Number: 608124003000  
Paleo Report Num: 1 of 1  
Public Info Code: Y 21-JUL-2008

Date of Summary: 06-MAY-2008  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: ANADARKO PETROLEUM CORPORATION  
Sample Range: 19886 - 30596  
Ecozone Eq MMS: Y

First Sample Examined: 19886  
Borehole MD: 30596  
Borehole TVD: 28867  
Rkb Elevation: 91  
Water Depth: 6284  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28328 /26839	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 5
28329 /26840	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
28330 /26841	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
28359 /26867	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
28360 /26868	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
28510 /27003	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
28538 /27028	DEF AT radiolarians	DEF AT 5
28580 /27066	POS AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5
29140 /27565	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
29160 /27583	DEF AT radiolarians	DEF AT 5
29530 /27913	POS AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT 5
30596 /28867	DEF AT last sample examined	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 425	<b>Date of Summary:</b> 01-JAN-2001	<b>First Sample Examined:</b> 11605
<b>Lease Number:</b> G16987	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25109
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25099
<b>API Well Number:</b> 608124000500	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 11605 - 25109	<b>Water Depth:</b> 8835
<b>Public Info Code:</b> Y 31-JAN-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Calcareous nannofossil report, 18620=Reticulofenestra gelida

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11605 /11604	DEF AT first sample examined	DEF AT
11606 /11605	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11607 /11606	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
11780 /11779	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
12950 /12948	DEF AT reworked material	DEF AT
13550 /13548	DEF AT reworked material	DEF AT
13850 /13848	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
15410 /15408	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15411 /15409	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
15470 /15468	DEF AT reworked material	DEF AT
15560 /15558	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15561 /15559	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
16280 /16278	DEF AT reworked material	DEF AT
16370 /16368	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16430 /16428	POS AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
16520 /16518	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16940 /16938	DEF AT reworked material	DEF AT
17240 /17238	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
17360 /17358	DEF AT reworked material	DEF AT
17629 /17627	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17630 /17628	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
17631 /17629	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 425  
Lease Number: G16987  
Well Name: 002  
API Well Number: 608124000500  
Paleo Report Num: 1 of 2  
Public Info Code: Y 31-JAN-2011

Date of Summary: 01-JAN-2001  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 11605 - 25109  
Ecozone Eq MMS:

First Sample Examined: 11605  
Borehole MD: 25109  
Borehole TVD: 25099  
Rkb Elevation: 83  
Water Depth: 8835  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17660 /17658	DEF AT reworked material	DEF AT
17690 /17688	POS AT reworked material	DEF AT
17900 /17898	POS AT reworked material	DEF AT
17930 /17928	POS AT reworked material	DEF AT
17960 /17958	POS AT reworked material	DEF AT
18020 /18018	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18080 /18078	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18200 /18198	DEF AT reworked material	DEF AT
18201 /18199	POS AT Upper (Late) Eocene	DEF AT
18410 /18408	DEF AT reworked material	DEF AT
18411 /18409	POS AT Upper (Late) Eocene	DEF AT
18560 /18558	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18590 /18588	DEF AT reworked material	DEF AT
18620 /18618	DEF AT local marker floral increase	DEF AT
18650 /18648	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19250 /19248	DEF AT reworked material	DEF AT
19310 /19308	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
19460 /19458	DEF AT local marker floral increase	DEF AT
19790 /19788	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
19820 /19818	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20000 /19998	DEF AT reworked material	DEF AT
20390 /20388	DEF AT local marker floral increase	DEF AT
20480 /20478	DEF AT local marker floral increase	DEF AT
20540 /20538	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 425  
Lease Number: G16987  
Well Name: 002  
API Well Number: 608124000500  
Paleo Report Num: 1 of 2  
Public Info Code: Y 31-JAN-2011

Date of Summary: 01-JAN-2001  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 11605 - 25109  
Ecozone Eq MMS:

First Sample Examined: 11605  
Borehole MD: 25109  
Borehole TVD: 25099  
Rkb Elevation: 83  
Water Depth: 8835  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20541 /20539	DEF AT local marker floral increase	DEF AT
20600 /20598	DEF AT local marker floral increase	DEF AT
20810 /20808	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20960 /20958	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20961 /20959	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
20990 /20988	DEF AT reworked material	DEF AT
21050 /21048	DEF AT reworked material	DEF AT
21410 /21408	DEF AT reworked material	DEF AT
21770 /21768	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
21800 /21798	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
22280 /22278	DEF AT local marker floral increase	DEF AT
22510 /22508	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22730 /22728	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22910 /22908	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23000 /22998	DEF AT local marker floral increase	DEF AT
23090 /23088	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23330 /23328	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23390 /23388	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23720 /23717	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23750 /23747	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
23780 /23777	DEF AT local marker floral increase	DEF AT
23900 /23897	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24200 /24197	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
24259 /24256	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 425  
Lease Number: G16987  
Well Name: 002  
API Well Number: 608124000500  
Paleo Report Num: 1 of 2  
Public Info Code: Y 31-JAN-2011

Date of Summary: 01-JAN-2001  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 11605 - 25109  
Ecozone Eq MMS:

First Sample Examined: 11605  
Borehole MD: 25109  
Borehole TVD: 25099  
Rkb Elevation: 83  
Water Depth: 8835  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24260 /24257	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
24290 /24287	DEF AT reworked material	DEF AT
24470 /24466	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
24530 /24526	DEF AT reworked material	DEF AT
24590 /24585	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
24680 /24675	DEF IN Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
24830 /24823	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
24860 /24853	DEF AT local marker floral increase	DEF AT
24889 /24881	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
24890 /24882	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25010 /25001	DEF AT local marker floral increase	DEF AT
25100 /25090	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
25109 /25099	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 425	<b>Date of Summary:</b> 01-FEB-2001	<b>First Sample Examined:</b> 11605
<b>Lease Number:</b> G16987	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 25109
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 25099
<b>API Well Number:</b> 608124000500	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 11605 - 25109	<b>Water Depth:</b> 8835
<b>Public Info Code:</b> Y 31-JAN-2011	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** 11605=at or above Globorotalia inflata, 18710=Orbulina universa flood, 21770=Clavatorella bermudezi, 24320=Cassigerinella chipolensis, 24620=Chilostomelloides oviformis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11605 /11604	DEF AT first sample examined	POS AT 4
11606 /11605	DEF IN Holocene Globorotalia inflata	DEF AT 4
11780 /11779	DEF AT local marker foram increase	DEF AT 4
11810 /11809	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
11870 /11869	DEF AT -----	DEF AT 4
12080 /12079	DEF AT -----	POS AT 4
14510 /14508	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
14990 /14988	DEF AT -----	POS AT 4
15380 /15378	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
15530 /15528	DEF AT local marker foram increase	DEF AT 5
15950 /15948	DEF AT -----	POS AT 5
16520 /16518	POS AT local marker planktic foram increase	DEF AT 5
16550 /16548	DEF AT -----	POS AT 5
17150 /17148	DEF AT local marker planktic foram increase	DEF AT 4
17629 /17627	DEF AT local marker planktic foram increase	DEF AT 5
17630 /17628	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17750 /17748	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
18169 /18167	DEF AT local marker planktic foram increase	DEF AT 5
18170 /18168	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18410 /18408	DEF AT -----	POS AT 5
18680 /18678	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 425  
Lease Number: G16987  
Well Name: 002  
API Well Number: 608124000500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 31-JAN-2011

Date of Summary: 01-FEB-2001  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 11605 - 25109  
Ecozone Eq MMS: Y

First Sample Examined: 11605  
Borehole MD: 25109  
Borehole TVD: 25099  
Rkb Elevation: 83  
Water Depth: 8835  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18710 /18708	DEF AT foram flood	DEF AT 5
18770 /18768	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18890 /18888	DEF AT -----	POS AT 5
19130 /19128	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
19250 /19248	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
19610 /19608	DEF AT -----	POS AT 5
19760 /19758	DEF AT -----	DEF AT 4
20000 /19998	POS IN Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4
20120 /20118	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20540 /20538	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
20599 /20597	DEF AT limestone	DEF AT 4
20600 /20598	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
20900 /20898	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21140 /21138	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
21260 /21258	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21470 /21468	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
21648 /21646	POS AT unconformity	DEF AT 6
21649 /21647	DEF AT foram flood	DEF AT 6
21650 /21648	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
21710 /21708	DEF AT Bathysiphon fauna	DEF AT 6
21770 /21768	DEF AT local marker (general)	DEF AT 6
21800 /21798	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
21860 /21858	DEF AT -----	DEF AT 5
22100 /22098	DEF AT -----	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 425  
Lease Number: G16987  
Well Name: 002  
API Well Number: 608124000500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 31-JAN-2011

Date of Summary: 01-FEB-2001  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 11605 - 25109  
Ecozone Eq MMS: Y

First Sample Examined: 11605  
Borehole MD: 25109  
Borehole TVD: 25099  
Rkb Elevation: 83  
Water Depth: 8835  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22220 /22218	DEF AT local marker planktic foram increase	DEF AT 4
22640 /22638	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22880 /22878	DEF AT local marker foram increase	DEF AT 4
23420 /23418	DEF AT local marker foram increase	DEF AT 4
23510 /23507	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
23600 /23597	DEF AT - - - - -	DEF AT 4
24080 /24077	DEF AT local marker foram increase	DEF AT 4
24200 /24197	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4
24320 /24317	DEF AT local marker (general)	DEF AT 4
24440 /24436	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 4
24590 /24585	DEF AT local marker foram increase	DEF AT 5
24620 /24615	DEF AT local marker (general)	DEF AT 5
24890 /24882	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
24891 /24883	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
25109 /25099	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 456	<b>Date of Summary:</b> 30-AUG-2000	<b>First Sample Examined:</b> 20310
<b>Lease Number:</b> G16993	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24340
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24250
<b>API Well Number:</b> 608124000300	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20310 - 24330	<b>Water Depth:</b> 6680
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 21460=21640=mixed nannos, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20310 /20251	DEF AT first sample examined	DEF AT
20311 /20252	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
20370 /20310	DEF AT local marker floral decrease	DEF AT
20610 /20547	DEF AT Upper Miocene (Messinian) Discoaster quinquerus	DEF AT
20790 /20725	DEF AT local marker floral decrease	DEF AT
20980 /20914	DEF AT reworked material	DEF AT
21459 /21388	POS IN Pliocene	DEF AT
21460 /21389	POS IN Eocene	DEF AT
21519 /21448	DEF AT unconformity	DEF AT
21520 /21449	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21639 /21567	POS AT Upper (Late) Miocene	DEF AT
21640 /21568	POS AT Eocene	DEF AT
21700 /21628	DEF AT local marker floral decrease	DEF AT
22240 /22165	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
23040 /22959	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
23099 /23018	DEF AT unconformity	DEF AT
23100 /23019	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24329 /24240	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24330 /24241	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 456	Date of Summary: 18-OCT-2000	First Sample Examined: 20810
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 24890
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24748
API Well Number: 608124000301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 20810 - 24869	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20810 /20745	DEF AT first sample examined	DEF AT
20990 /20923	DEF AT reworked material	DEF AT
21110 /21043	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
21350 /21281	DEF AT out-of-place section	DEF AT
21410 /21341	DEF AT out-of-place section	DEF AT
21530 /21460	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21710 /21638	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22250 /22173	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22670 /22587	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
22910 /22822	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23090 /22998	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
23150 /23057	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23390 /23291	DEF AT local marker floral increase	DEF AT
24400 /24269	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24460 /24327	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24869 /24726	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 456	Date of Summary: 18-DEC-2000	First Sample Examined: 20810
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 24890
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24748
API Well Number: 608124000301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 20810 - 24890	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20810 /20745	DEF AT first sample examined	DEF AT 4
20811 /20746	DEF AT cement	DEF AT 4
21210 /21142	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21780 /21708	DEF AT reworked material	DEF IN 3
21990 /21916	POS AT local marker foram increase	DEF IN 3
22230 /22153	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
22260 /22183	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
22380 /22301	DEF AT faunal change (no faunal increase)	DEF AT 4
22410 /22331	DEF AT local marker foram decrease	DEF AT 4
22470 /22390	DEF AT turbid water facies	POS AT 4
22620 /22538	DEF AT Arenaceous fauna (local marker)	POS AT 4
22650 /22567	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 4
22710 /22626	DEF AT faunal change (no faunal increase)	DEF IN 4
22740 /22655	DEF AT faunal change (no faunal increase)	DEF AT 4
22800 /22714	DEF AT turbid water facies	POS AT 4
22860 /22773	DEF AT local marker planktic foram increase	DEF AT 4
22920 /22832	DEF AT turbid water facies	POS AT 4
23040 /22949	DEF AT local marker deep water fauna	DEF AT 4
23340 /23242	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
23370 /23272	DEF AT faunal change (no faunal increase)	DEF IN 4
23610 /23505	DEF AT faunal change (no faunal increase)	DEF AT 4
23670 /23563	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 456	<b>Date of Summary:</b> 18-DEC-2000	<b>First Sample Examined:</b> 20810
<b>Lease Number:</b> G16993	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 24890
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 24748
<b>API Well Number:</b> 608124000301	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 75
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 20810 - 24890	<b>Water Depth:</b> 6680
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23700 /23592	DEF AT faunal change (no faunal increase)	DEF IN 4
23730 /23621	DEF AT faunal change (no faunal increase)	DEF AT 4
23860 /23747	DEF AT cement	DEF IN 4
23880 /23767	DEF AT limestone	DEF IN 4
23970 /23853	DEF AT Arenaceous fauna (local marker)	DEF IN 4
24000 /23882	DEF AT limestone	DEF IN 4
24090 /23969	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
24119 /23997	DEF AT limestone	DEF IN 4
24120 /23998	DEF AT condensed section	DEF IN 4
24150 /24027	DEF AT faunal change (no faunal increase)	DEF AT 4
24210 /24085	DEF AT local marker foram increase	DEF AT 4
24300 /24172	DEF AT local marker foram increase	DEF AT 4
24360 /24230	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
24510 /24376	DEF AT faunal change (no faunal increase)	DEF AT 4
24630 /24493	POS AT local marker foram increase	DEF AT 4
24780 /24639	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24810 /24668	DEF AT limestone	DEF AT 4
24890 /24746	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 456	Date of Summary: 18-OCT-2000	First Sample Examined: 24870
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 29400
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29230
API Well Number: 608124000302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 77
Paleo Report Num: 1 of 2	Sample Range: 24870 - 29400	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 27930=probable FAD (First Appearance Datum) of Sphenolithus heteromorphus, 28810=FAD of both Sphenolithus belemnos and Helicosphaera ampliaperta, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
24870 /24726	DEF AT first sample examined	DEF AT
24990 /24843	DEF AT local marker floral increase	DEF AT
25530 /25373	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25710 /25550	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25890 /25727	DEF AT local marker floral increase	DEF AT
26070 /25904	DEF AT local marker floral decrease	DEF AT
26370 /26202	DEF AT Middle Miocene (Langhian) Discoaster trinidadensis	DEF AT
26430 /26261	DEF AT local marker floral increase	DEF AT
26550 /26381	DEF AT local marker floral decrease	DEF AT
26910 /26740	DEF AT local marker floral increase	DEF AT
27030 /26860	DEF AT local marker floral decrease	DEF AT
27330 /27160	DEF AT local marker floral increase	DEF AT
27930 /27760	DEF AT local marker floral increase	DEF AT
28090 /27920	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
28210 /28040	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
28510 /28340	DEF AT local marker floral increase	DEF AT
28810 /28640	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
28990 /28820	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
29400 /29230	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 456	Date of Summary: 18-DEC-2000	First Sample Examined: 24900
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 29400
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29230
API Well Number: 608124000302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 77
Paleo Report Num: 2 of 2	Sample Range: 24900 - 29400	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** 27000=27780=transported carbonate bank fauna, 28395=gray limestone influx with carbonate bank fauna influx, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24900 /24755	DEF AT first sample examined	DEF AT 4
25050 /24902	DEF AT - - - - -	DEF IN 4
25080 /24932	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
25110 /24961	DEF AT local marker foram increase	DEF AT 5
25170 /25020	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25230 /25079	DEF AT local marker deep water fauna	DEF AT 4
25290 /25138	DEF AT - - - - -	DEF AT 4
25320 /25167	POS AT local marker planktic foram increase	DEF AT 4
25380 /25226	DEF AT gray shale	DEF AT 4
25920 /25756	DEF AT local marker planktic foram increase	DEF AT 4
25950 /25786	DEF AT limestone	DEF AT 4
26160 /25993	DEF AT local marker foram increase	DEF AT 5
26250 /26082	DEF AT turbid water facies	DEF AT 5
26340 /26172	DEF AT local marker planktic foram increase	DEF AT 5
26400 /26231	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26550 /26381	DEF AT - - - - -	DEF AT 4
26700 /26530	DEF AT turbid water facies	DEF AT 4
26970 /26800	DEF AT local marker planktic foram increase	DEF AT 5
27000 /26830	DEF AT limestone	DEF AT 5
27360 /27190	DEF AT local marker planktic foram increase	DEF AT 5
27420 /27250	DEF AT local marker foram decrease	DEF AT 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 456	<b>Date of Summary:</b> 18-DEC-2000	<b>First Sample Examined:</b> 24900
<b>Lease Number:</b> G16993	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 29230
<b>API Well Number:</b> 608124000302	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 77
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 24900 - 29400	<b>Water Depth:</b> 6680
<b>Public Info Code:</b> Y 31-JUL-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27720 /27550	DEF AT turbid water facies	DEF AT 4
28090 /27920	DEF AT limestone	DEF AT 4
28395 /28225	DEF AT -----	DEF AT 5
28420 /28250	DEF AT local marker foram increase	DEF AT 5
28450 /28280	DEF AT -----	DEF AT 4
28660 /28490	DEF AT pyrite	DEF AT 4
28840 /28670	DEF AT -----	DEF AT 5
28870 /28700	DEF AT local marker foram increase	DEF AT 5
28930 /28760	DEF AT -----	DEF AT 4
28960 /28790	DEF AT limestone	DEF AT 4
29400 /29230	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 460	<b>Date of Summary:</b> 03-JUL-2013	<b>First Sample Examined:</b> 10100
<b>Lease Number:</b> G32688	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 21999
<b>API Well Number:</b> 608124008400	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10100 - 22000	<b>Water Depth:</b> 6905
<b>Public Info Code:</b> Y 14-SEP-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, 17670 to 19960=possible rafted section, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 /10100	DEF AT first sample examined	DEF AT
10110 /10110	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10130 /10130	DEF AT out-of-place section	DEF AT
10190 /10190	DEF AT local marker floral increase	DEF AT
10230 /10230	DEF AT local marker floral decrease	DEF AT
10250 /10250	POS IN Lower Pleistocene Calabrian Stage	DEF AT
10270 /10270	POS AT salt	DEF AT
17669 /17669	DEF AT base of salt	DEF AT
17670 /17670	DEF AT out-of-place section	DEF AT
17760 /17760	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18159 /18159	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18160 /18160	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18180 /18180	DEF AT out-of-place section	DEF AT
19940 /19940	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
20040 /20040	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
20100 /20100	DEF AT local marker floral increase	DEF AT
20180 /20180	DEF AT local marker floral decrease	DEF AT
20340 /20340	DEF AT reworked material	DEF AT
20620 /20620	DEF AT reworked material	DEF AT
20640 /20640	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20720 /20720	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 460	<b>Date of Summary:</b> 03-JUL-2013	<b>First Sample Examined:</b> 10100
<b>Lease Number:</b> G32688	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> BUGWARE, INC.	<b>Borehole TVD:</b> 21999
<b>API Well Number:</b> 608124008400	<b>Drilling Operator:</b> CONOCOPHILLIPS COMPANY	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 10100 - 22000	<b>Water Depth:</b> 6905
<b>Public Info Code:</b> Y 14-SEP-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21060 /21060	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
21120 /21120	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
21400 /21400	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21620 /21619	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
21679 /21678	POS AT reworked material	DEF AT
21680 /21679	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22000 /21999	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 469	<b>Date of Summary:</b> 01-JUN-2003	<b>First Sample Examined:</b> 12360
<b>Lease Number:</b> G16997	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27652
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27626
<b>API Well Number:</b> 608124001000	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 12360 - 27560	<b>Water Depth:</b> 8831
<b>Public Info Code:</b> Y 19-JUL-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Chinook 3 Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12360 /12360	DEF AT first sample examined	DEF AT
13290 /13290	DEF AT reworked material	DEF AT
14970 /14969	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
15390 /15388	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15690 /15687	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16320 /16315	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16800 /16794	DEF AT reworked material	DEF AT
17330 /17323	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
17809 /17801	DEF AT unconformity	DEF AT
17810 /17802	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
17870 /17861	POS AT reworked material	DEF AT
18050 /18041	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18170 /18161	DEF AT reworked material	DEF AT
18590 /18581	POS AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
18620 /18611	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
20630 /20620	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20659 /20649	DEF AT unconformity	DEF AT
20660 /20650	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20690 /20680	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20720 /20710	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20870 /20860	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21259 /21249	DEF AT unconformity	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 469  
Lease Number: G16997  
Well Name: 001  
API Well Number: 608124001000  
Paleo Report Num: 1 of 3  
Public Info Code: Y 19-JUL-2013

Date of Summary: 01-JUN-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 12360 - 27560  
Ecozone Eq MMS:

First Sample Examined: 12360  
Borehole MD: 27652  
Borehole TVD: 27626  
Rkb Elevation: 83  
Water Depth: 8831  
Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21260 /21250	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21950 /21939	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21980 /21969	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22070 /22059	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22430 /22419	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
22550 /22539	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
22610 /22599	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23150 /23139	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
23270 /23259	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
23420 /23409	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23570 /23559	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
23600 /23589	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
23850 /23839	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23870 /23859	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
24110 /24099	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
24230 /24219	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24260 /24249	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24650 /24638	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
24651 /24639	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
24680 /24668	DEF IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
24710 /24698	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
24711 /24699	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
24740 /24728	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
24770 /24757	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 469  
 Lease Number: G16997  
 Well Name: 001  
 API Well Number: 608124001000  
 Paleo Report Num: 1 of 3  
 Public Info Code: Y 19-JUL-2013

Date of Summary: 01-JUN-2003  
 Source of Paleo: OPERATOR  
 Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
 Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
 Sample Range: 12360 - 27560  
 Ecozone Eq MMS:

First Sample Examined: 12360  
 Borehole MD: 27652  
 Borehole TVD: 27626  
 Rkb Elevation: 83  
 Water Depth: 8831  
 Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24890 /24877	DEF AT sample gap top	DEF AT
25015 /25001	DEF AT sample gap bottom	DEF AT
25069 /25055	DEF AT condensed section	DEF AT
25070 /25056	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
25100 /25086	DEF IN Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
25130 /25115	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
25190 /25175	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
25310 /25294	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
25340 /25324	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
26840 /26815	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
27530 /27501	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 469	Date of Summary: 20-JUN-2003	First Sample Examined: 17900
Lease Number: G16997	Source of Paleo: OPERATOR	Borehole MD: 27652
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27626
API Well Number: 608124001000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 3	Sample Range: 17900 - 27560	Water Depth: 8831
Public Info Code: Y 19-JUL-2013	Ecozone Eq MMS: N	Paleo ID: 001

**Remark:** Chinook 3 Prospect, company-integrated foram and nanno report, paleo analysis done by Jason A Crux and Nancy Engelhardt-Moore

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17900 /17891	DEF AT first sample examined	DEF AT
17901 /17892	POS IN Lower Pliocene (Zanclian) Sphenolithus verensis	POS AT
18050 /18041	POS AT local marker floral increase	POS AT
18260 /18251	DEF AT sample gap top	POS AT
18530 /18521	DEF AT sample gap bottom	POS AT
18650 /18641	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	POS AT
18860 /18851	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	POS AT
19003 /18993	DEF AT sample gap top	POS AT
19909 /19899	DEF AT sample gap bottom	POS AT
19910 /19900	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	POS AT
19970 /19960	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	POS AT
20060 /20050	DEF AT local marker floral decrease	POS AT
20390 /20380	DEF AT sample gap top	POS AT
20870 /20860	DEF AT sample gap bottom	POS AT
20930 /20920	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT
20960 /20950	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT
20990 /20980	DEF AT local marker floral decrease	POS AT
21080 /21070	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT
21590 /21579	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	POS AT
22010 /21999	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT
22070 /22059	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT
22280 /22269	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	POS AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 469	Date of Summary: 20-JUN-2003	First Sample Examined: 17900
Lease Number: G16997	Source of Paleo: OPERATOR	Borehole MD: 27652
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27626
API Well Number: 608124001000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 3	Sample Range: 17900 - 27560	Water Depth: 8831
Public Info Code: Y 19-JUL-2013	Ecozone Eq MMS: N	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22430 /22419	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	POS AT
22610 /22599	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	POS AT
22640 /22629	DEF AT local marker floral decrease	POS AT
22700 /22689	DEF AT local marker floral increase	POS AT
22780 /22769	DEF AT local marker floral decrease	POS AT
22880 /22869	DEF AT local marker floral increase	POS AT
23000 /22989	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	POS AT
23090 /23079	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	POS AT
23091 /23080	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	POS AT
23120 /23109	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	POS AT
23150 /23139	POS AT Lower Miocene (Burdigalian) Orthorhabdus serratus	POS AT
23180 /23169	POS AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	POS AT
23210 /23199	DEF IN Lower Miocene (Burdigalian) Sphenolithus disbelemnos	POS AT
23390 /23379	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT
23420 /23409	DEF AT reworked material	POS AT
23450 /23439	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT
23600 /23589	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	POS AT
23870 /23859	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF IN 4
23900 /23889	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF IN 4
24020 /24009	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 4
24080 /24069	DEF AT local marker deep water fauna	DEF IN 4
24110 /24099	DEF AT local marker floral increase	DEF IN 4
24170 /24159	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 4
24260 /24249	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 4

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 469	Date of Summary: 20-JUN-2003	First Sample Examined: 17900
Lease Number: G16997	Source of Paleo: OPERATOR	Borehole MD: 27652
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27626
API Well Number: 608124001000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 3	Sample Range: 17900 - 27560	Water Depth: 8831
Public Info Code: Y 19-JUL-2013	Ecozone Eq MMS: N	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24320 /24309	DEF AT local marker floral increase	DEF IN 4
24380 /24369	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 4
24470 /24459	POS AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	POS AT 6
24500 /24488	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	POS AT 6
24530 /24518	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	POS AT 6
24560 /24548	DEF AT - - - - -	DEF AT 6
24680 /24668	DEF AT Arenaceous fauna (local marker)	DEF AT 6
24710 /24698	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT 6
24740 /24728	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT 6
24830 /24817	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 6
24860 /24847	DEF AT sample gap top	POS AT 6
25009 /24995	DEF AT sample gap bottom	DEF AT 6
25010 /24996	POS AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 6
25011 /24997	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 6
25070 /25056	POS AT Middle Eocene	DEF AT 6
25084 /25070	DEF AT limestone	DEF AT 6
25085 /25071	DEF AT local marker planktic foram increase	DEF AT 6
25115 /25101	POS AT local marker floral decrease	DEF AT 6
25130 /25115	POS AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 6
25145 /25130	DEF AT local marker floral increase	DEF AT 6
25175 /25160	POS IN Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
25189 /25174	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 6
25190 /25175	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 6
25204 /25189	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 469	Date of Summary: 20-JUN-2003	First Sample Examined: 17900
Lease Number: G16997	Source of Paleo: OPERATOR	Borehole MD: 27652
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27626
API Well Number: 608124001000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 3	Sample Range: 17900 - 27560	Water Depth: 8831
Public Info Code: Y 19-JUL-2013	Ecozone Eq MMS: N	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25205 /25190	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT 6
25220 /25205	POS AT local marker foram decrease	DEF AT 6
25234 /25219	DEF AT pyrite	DEF AT 6
25235 /25220	DEF AT radiolarians	DEF AT 6
25250 /25235	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 6
25309 /25293	DEF AT local marker floral decrease	DEF AT 6
25310 /25294	POS AT Bathysiphon fauna	DEF AT 6
25519 /25502	DEF AT Bathysiphon fauna	DEF AT 6
25520 /25503	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT 6
25521 /25504	POS AT Upper Paleocene (Thanetian) Toweius emimens	DEF AT 6
25650 /25632	DEF AT - - - - -	POS AT 6
25670 /25651	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	POS AT 6
25730 /25711	POS AT Bathysiphon fauna	POS AT 6
26000 /25979	DEF AT Bathysiphon fauna	POS AT 6
26028 /26007	DEF AT pyrite	POS AT 6
26029 /26008	DEF AT local marker foram decrease	POS AT 6
26030 /26009	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	POS AT 6
26300 /26277	POS AT Bathysiphon fauna	POS AT 6
26480 /26457	DEF AT Bathysiphon fauna	POS AT 6
26540 /26516	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26541 /26517	DEF AT Bathysiphon fauna	DEF AT 5
26930 /26904	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	POS AT 5
26960 /26934	DEF AT Bathysiphon fauna	POS AT 5
26990 /26964	DEF AT - - - - -	POS IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 469	<b>Date of Summary:</b> 20-JUN-2003	<b>First Sample Examined:</b> 17900
<b>Lease Number:</b> G16997	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27652
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27626
<b>API Well Number:</b> 608124001000	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 17900 - 27560	<b>Water Depth:</b> 8831
<b>Public Info Code:</b> Y 19-JUL-2013	<b>Ecozone Eq MMS:</b> N	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27320 /27293	DEF AT Bathysiphon fauna	POS IN 5
27335 /27307	DEF AT local marker floral decrease	POS IN 5
27336 /27308	DEF AT local marker foram decrease	POS IN 5
27566 /27537	DEF AT last sample examined	POS IN 5

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 469	<b>Date of Summary:</b> 01-OCT-2003	<b>First Sample Examined:</b> 12360
<b>Lease Number:</b> G16997	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27652
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27626
<b>API Well Number:</b> 608124001000	<b>Drilling Operator:</b> BHP BILLITON PETROLEUM (GOM) INC	<b>Rkb Elevation:</b> 83
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 12360 - 27560	<b>Water Depth:</b> 8831
<b>Public Info Code:</b> Y 19-JUL-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Chinook 3 Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12360 /12360	DEF AT first sample examined	DEF AT
13320 /13320	DEF AT - - - - -	DEF AT 4
14790 /14789	POS AT Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 4
15270 /15268	DEF AT local marker planktic foram increase	DEF AT 4
15389 /15387	DEF IN Lower Pleistocene (Calabrian) <i>Globorotalia incisa</i>	DEF AT 6
15390 /15388	DEF AT Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens</i> (acme "A")	DEF AT 6
15510 /15507	DEF AT - - - - -	DEF AT 4
17330 /17323	POS AT local marker foram increase	DEF AT 4
17750 /17742	DEF IN Lower Pleistocene (Calabrian) <i>Sphaeroidinella dehiscens</i> (acme "B")	DEF AT 4
17930 /17921	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 5
18170 /18161	DEF AT foram flood	DEF AT 5
18230 /18221	DEF AT - - - - -	DEF AT 4
18800 /18791	POS AT Upper Pliocene (Piacenzian) <i>Globorotalia multicamerata</i>	DEF AT 5
19190 /19180	DEF AT - - - - -	DEF AT 4
19490 /19480	POS AT Lower Pliocene (Zanclian) <i>Uvigerina rustica</i>	DEF AT 4
20030 /20020	POS AT Upper Miocene (Tortonian) <i>Sphaeroidinellopsis disjuncta</i>	DEF AT 4
20090 /20080	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20270 /20260	DEF AT Bathysiphon fauna	DEF AT 4
20990 /20980	POS AT Upper Miocene (Tortonian) <i>Cibicides crebbsi</i>	DEF AT 4
21050 /21040	POS AT Upper Miocene (Tortonian) <i>Globoquadrina dehiscens</i>	DEF AT 4
21410 /21399	DEF AT Bathysiphon fauna	DEF AT 4
21710 /21699	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroacuta</i>	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 469  
Lease Number: G16997  
Well Name: 001  
API Well Number: 608124001000  
Paleo Report Num: 3 of 3  
Public Info Code: Y 19-JUL-2013

Date of Summary: 01-OCT-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 12360 - 27560  
Ecozone Eq MMS: Y

First Sample Examined: 12360  
Borehole MD: 27652  
Borehole TVD: 27626  
Rkb Elevation: 83  
Water Depth: 8831  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22010 /21999	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22038 /22027	POS AT reworked material	DEF AT 4
22039 /22028	DEF AT transported shelf fauna	DEF AT 4
22040 /22029	DEF AT limestone	DEF AT 4
22280 /22269	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22430 /22419	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
22850 /22839	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
22940 /22929	DEF AT limestone	DEF AT 4
23210 /23199	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
23720 /23709	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
23810 /23799	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
23900 /23889	DEF AT - - - - -	DEF AT 5
24199 /24188	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
24200 /24189	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
24259 /24248	DEF AT local marker planktic foram increase	DEF IN 6
24260 /24249	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
24380 /24369	POS AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 6
24770 /24757	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
24860 /24847	DEF AT sample gap top	POS AT 6
25015 /25001	DEF AT sample gap bottom	DEF AT 5
25070 /25056	POS AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 5
25130 /25115	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
25190 /25175	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 5
25250 /25235	DEF AT - - - - -	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 469  
Lease Number: G16997  
Well Name: 001  
API Well Number: 608124001000  
Paleo Report Num: 3 of 3  
Public Info Code: Y 19-JUL-2013

Date of Summary: 01-OCT-2003  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC  
Sample Range: 12360 - 27560  
Ecozone Eq MMS: Y

First Sample Examined: 12360  
Borehole MD: 27652  
Borehole TVD: 27626  
Rkb Elevation: 83  
Water Depth: 8831  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25279 /25263	DEF AT limestone	DEF AT 6
25280 /25264	DEF AT local marker foram decrease	DEF AT 6
25310 /25294	DEF AT - - - - -	DEF AT 4
25400 /25384	POS AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT 4
25460 /25443	DEF AT Bathysiphon fauna	DEF AT 4
25970 /25949	DEF AT local marker planktic foram increase	DEF AT 4
26450 /26427	DEF AT Bathysiphon fauna	DEF AT 4
26870 /26845	DEF AT Bathysiphon fauna	DEF AT 4
27260 /27233	DEF AT Bathysiphon fauna	DEF AT 4
27500 /27472	DEF AT - - - - -	POS AT 4
27560 /27531	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 508	<b>Date of Summary:</b> 14-APR-2005	<b>First Sample Examined:</b> 17510
<b>Lease Number:</b> G17001	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28639
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28638
<b>API Well Number:</b> 608124001500	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17510 - 26839	<b>Water Depth:</b> 9556
<b>Public Info Code:</b> Y 09-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Stones Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17510 /17509	DEF AT first sample examined	DEF AT
17511 /17510	POS IN reworked material	DEF AT
17512 /17511	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17820 /17819	DEF AT reworked material	DEF AT
18359 /18358	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
18360 /18359	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18390 /18389	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18990 /18989	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
19320 /19319	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
19650 /19649	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
19830 /19829	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
20250 /20249	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20670 /20669	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20790 /20789	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20820 /20819	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21120 /21119	POS AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
21270 /21269	DEF IN Upper Miocene (Tortonian) Discoaster bellus	DEF AT
21989 /21988	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21990 /21989	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22080 /22079	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22259 /22258	POS AT reworked material	DEF AT
22260 /22259	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 508	<b>Date of Summary:</b> 14-APR-2005	<b>First Sample Examined:</b> 17510
<b>Lease Number:</b> G17001	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28639
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28638
<b>API Well Number:</b> 608124001500	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17510 - 26839	<b>Water Depth:</b> 9556
<b>Public Info Code:</b> Y 09-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22470 /22469	DEF AT reworked material	DEF AT
22710 /22709	DEF AT local marker floral increase	DEF AT
23220 /23218	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23669 /23667	POS AT reworked material	DEF AT
23670 /23668	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23820 /23818	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23970 /23968	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24180 /24178	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
25050 /25048	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
25080 /25078	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25140 /25138	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25200 /25198	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
25230 /25228	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25260 /25258	POS AT reworked material	DEF AT
25290 /25288	POS AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
25679 /25677	POS AT reworked material	DEF AT
25680 /25678	POS AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
25710 /25708	DEF AT local marker floral increase	DEF AT
25770 /25768	POS AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT
25800 /25798	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
25950 /25948	POS AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
25980 /25978	DEF AT reworked material	DEF AT
26040 /26038	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
26130 /26128	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 508	Date of Summary: 14-APR-2005	First Sample Examined: 17510
Lease Number: G17001	Source of Paleo: OPERATOR	Borehole MD: 28639
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28638
API Well Number: 608124001500	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 17510 - 26839	Water Depth: 9556
Public Info Code: Y 09-APR-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26156 /26154	DEF AT Lower Oligocene (Rupelian) <i>Ericsonia formosa</i>	DEF AT
26163 /26161	DEF AT Upper Eocene (Priabonian) <i>Discoaster saipanensis</i>	DEF AT
26164 /26162	DEF AT Upper Eocene (Priabonian) <i>Discoaster barbadiensis</i>	DEF AT
26165 /26163	DEF AT Upper Eocene (Priabonian) <i>Cribrocentrum reticulatum</i>	DEF AT
26310 /26308	DEF AT Upper Eocene (Priabonian) <i>Globigerinatheka semiinvoluta</i>	DEF AT
26400 /26398	DEF AT Middle Eocene (Bartonian) <i>Chiasmolithus grandis</i>	DEF AT
26460 /26458	DEF AT Middle Eocene (Bartonian) <i>Chiasmolithus solitus</i>	DEF AT
26520 /26518	DEF AT radiolarians	DEF AT
26670 /26668	DEF AT Lower Eocene (Ypresian) <i>Toweius crassus</i>	DEF AT
27150 /27148	POS AT Bathysiphon fauna	DEF AT
27240 /27238	DEF AT Bathysiphon fauna	DEF AT
27300 /27298	POS AT Arenaceous fauna (local marker)	DEF AT
27330 /27328	DEF AT local marker planktic foram increase	DEF AT
27390 /27388	DEF AT Arenaceous fauna (local marker)	DEF AT
27630 /27628	DEF AT Upper Paleocene (Thanetian) <i>Fasciculithus tympaniformis</i>	DEF AT
27660 /27658	DEF AT Bathysiphon fauna	DEF AT
27720 /27718	DEF AT Bathysiphon fauna	DEF AT
27899 /27897	DEF AT Bathysiphon fauna	DEF AT
27900 /27898	POS AT Upper Paleocene (Thanetian) <i>Heliolithus riedelli</i>	DEF AT
28020 /28018	DEF AT Bathysiphon fauna	DEF AT
28050 /28048	DEF AT local marker planktic foram increase	DEF AT
28170 /28168	DEF AT Bathysiphon fauna	DEF AT
28350 /28348	DEF AT Arenaceous fauna (local marker)	DEF AT
28560 /28558	DEF AT Bathysiphon fauna	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 508	<b>Date of Summary:</b> 14-APR-2005	<b>First Sample Examined:</b> 17510
<b>Lease Number:</b> G17001	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28639
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28638
<b>API Well Number:</b> 608124001500	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17510 - 26839	<b>Water Depth:</b> 9556
<b>Public Info Code:</b> Y 09-APR-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28620 /28618	POS AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
28639 /28637	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 543	<b>Date of Summary:</b> 28-MAY-2010	<b>First Sample Examined:</b> 24700
<b>Lease Number:</b> G20341	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29414
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28689
<b>API Well Number:</b> 608124004501	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24700 - 29370	<b>Water Depth:</b> 6606
<b>Public Info Code:</b> Y 29-AUG-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Tucker Prospect, paleo report done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24700 /24311	DEF AT first sample examined	DEF AT 4
24701 /24312	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
24790 /24395	DEF AT -----	DEF AT 5
24870 /24469	DEF AT pyrite	DEF AT 5
24900 /24497	DEF AT -----	DEF AT 4
24960 /24552	DEF AT local marker foram decrease	DEF AT 4
25170 /24745	DEF AT -----	DEF AT 5
25230 /24800	DEF AT -----	DEF AT 4
25500 /25049	DEF AT -----	DEF AT 5
25680 /25214	POS AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 5
26460 /25931	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26490 /25958	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
26520 /25986	DEF AT -----	DEF AT 4
26610 /26069	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26670 /26124	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
26760 /26207	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
26790 /26234	DEF AT local marker planktic foram increase	DEF AT 5
26820 /26262	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
27120 /26538	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 5
27150 /26565	DEF AT reworked material	DEF AT 5
27420 /26815	DEF AT radiolarians	DEF AT 5
27450 /26843	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 543	<b>Date of Summary:</b> 28-MAY-2010	<b>First Sample Examined:</b> 24700
<b>Lease Number:</b> G20341	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29414
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28689
<b>API Well Number:</b> 608124004501	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 24700 - 29370	<b>Water Depth:</b> 6606
<b>Public Info Code:</b> Y 29-AUG-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27510 /26898	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
27600 /26982	DEF AT radiolarians	DEF AT 4
27809 /27176	DEF AT radiolarians	DEF AT 4
27810 /27177	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 4
27960 /27318	DEF AT Lower Eocene (Ypresian) Morozovella rex/ subbotinae	DEF AT 4
28020 /27374	DEF AT local marker foram decrease	DEF AT 4
28350 /27683	POS AT local marker foram increase	DEF AT 4
28470 /27796	POS AT Arenaceous fauna (local marker)	DEF AT 4
28529 /27852	DEF AT pyrite	DEF AT 4
28530 /27853	DEF AT Lower Eocene "Big Shale" Unit (marine shale-Middle Wilcox)	DEF AT 4
28770 /28079	DEF AT pyrite	DEF AT 4
29190 /28476	DEF AT Bathysiphon fauna	DEF AT 4
29370 /28647	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 543	Date of Summary: 08-JUN-2010	First Sample Examined: 24775
Lease Number: G20341	Source of Paleo: OPERATOR	Borehole MD: 29414
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28689
API Well Number: 608124004501	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 24775 - 29414	Water Depth: 6606
Public Info Code: Y 29-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Tucker Prospect, calcareous nannofossil report, from 28122' to 29414 (TD), calcareous nannofossil abundance is drastically reduced, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24775 /24381	DEF AT first sample examined	DEF AT
24776 /24382	DEF AT out-of-place section	DEF AT
24820 /24422	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24870 /24469	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24996 /24585	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25050 /24635	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
25290 /24856	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25410 /24966	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
25650 /25186	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
25680 /25214	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
25739 /25268	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
25740 /25269	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25770 /25297	DEF AT local marker floral decrease	DEF AT
26280 /25765	DEF AT local marker floral increase	DEF AT
26400 /25876	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
26670 /26124	DEF AT Lower Miocene (Aquitainian) Discoaster saundersi	DEF AT
26699 /26151	DEF AT Lower Miocene (Aquitainian) Sphenolithus conicus	DEF AT
26700 /26151	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
26878 /26315	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
26879 /26316	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
26880 /26317	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 543	Date of Summary: 08-JUN-2010	First Sample Examined: 24775
Lease Number: G20341	Source of Paleo: OPERATOR	Borehole MD: 29414
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28689
API Well Number: 608124004501	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 24775 - 29414	Water Depth: 6606
Public Info Code: Y 29-AUG-2011	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27060 /26483	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
27120 /26538	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
27300 /26704	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
27389 /26786	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
27390 /26787	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
27600 /26982	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
27660 /27038	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
27720 /27094	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
27750 /27121	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
27813 /27180	DEF AT local marker floral increase	DEF AT
27883 /27246	DEF AT radiolarians	DEF AT
27884 /27247	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
27885 /27248	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
27900 /27262	DEF AT radiolarians	DEF AT
27929 /27289	DEF AT local marker floral decrease	DEF AT
27930 /27290	DEF AT radiolarians	DEF AT
27944 /27303	DEF AT radiolarians	DEF AT
27945 /27304	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
27958 /27316	DEF AT radiolarians	DEF AT
27959 /27317	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
27960 /27318	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
27975 /27332	DEF AT radiolarians	DEF AT
28080 /27430	DEF AT local marker floral decrease	DEF AT
28484 /27809	DEF AT local marker floral increase	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 543	<b>Date of Summary:</b> 08-JUN-2010	<b>First Sample Examined:</b> 24775
<b>Lease Number:</b> G20341	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29414
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28689
<b>API Well Number:</b> 608124004501	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 24775 - 29414	<b>Water Depth:</b> 6606
<b>Public Info Code:</b> Y 29-AUG-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28543 /27865	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
28544 /27866	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
29414 /28689	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 544	Date of Summary: 21-AUG-2006	First Sample Examined: 23580
Lease Number: G17003	Source of Paleo: OPERATOR	Borehole MD: 29630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29628
API Well Number: 608124002100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 23580 - 29630	Water Depth: 6844
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Tucker Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23580 /23578	DEF AT first sample examined	DEF AT 6
23581 /23579	DEF AT out-of-place section	DEF AT 6
23700 /23698	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 6
23819 /23817	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
23820 /23818	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
23850 /23848	POS AT Arenaceous fauna (local marker)	DEF AT 6
23880 /23878	DEF AT local marker floral increase	DEF AT 6
23910 /23908	DEF AT local marker foram increase	DEF AT 6
23940 /23938	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
24000 /23998	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
24030 /24028	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT 6
24060 /24058	DEF AT local marker foram decrease	DEF AT 6
24090 /24088	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
24120 /24118	DEF AT local marker floral increase	DEF AT 6
24180 /24178	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
24209 /24207	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT 6
24210 /24208	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
24240 /24238	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT 6
24270 /24268	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
24329 /24327	DEF AT local marker floral increase	DEF AT 6
24330 /24328	DEF AT local marker foram decrease	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 544  
Lease Number: G17003  
Well Name: 001  
API Well Number: 608124002100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 02-JAN-2007

Date of Summary: 21-AUG-2006  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 23580 - 29630  
Ecozone Eq MMS: Y

First Sample Examined: 23580  
Borehole MD: 29630  
Borehole TVD: 29628  
Rkb Elevation: 88  
Water Depth: 6844  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24420 /24418	POS AT Arenaceous fauna (local marker)	DEF AT 6
24480 /24478	DEF AT local marker floral increase	DEF AT 6
24540 /24538	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
24599 /24597	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
24600 /24598	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
24630 /24628	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
24660 /24658	DEF AT local marker foram decrease	DEF AT 6
24690 /24688	POS AT Arenaceous fauna (local marker)	DEF AT 6
24720 /24718	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
24840 /24838	DEF IN Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT 6
24929 /24927	DEF AT local marker floral decrease	DEF AT 6
24930 /24928	DEF AT local marker planktic foram increase	DEF AT 6
25230 /25228	DEF AT local marker floral increase	DEF AT 6
25260 /25258	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 6
25350 /25348	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
25410 /25408	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 6
25440 /25438	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
25469 /25467	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT 6
25470 /25468	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT 6
25560 /25558	DEF AT local marker floral increase	DEF AT 6
25619 /25617	DEF AT transported shelf fauna	DEF AT 6
25620 /25618	DEF AT local marker floral increase	DEF AT 6
25679 /25677	DEF AT local marker floral decrease	DEF AT 6
25680 /25678	DEF AT local marker foram decrease	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 544  
Lease Number: G17003  
Well Name: 001  
API Well Number: 608124002100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 02-JAN-2007

Date of Summary: 21-AUG-2006  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 23580 - 29630  
Ecozone Eq MMS: Y

First Sample Examined: 23580  
Borehole MD: 29630  
Borehole TVD: 29628  
Rkb Elevation: 88  
Water Depth: 6844  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25710 /25708	DEF AT local marker floral increase	DEF AT 6
25740 /25738	POS AT Arenaceous fauna (local marker)	DEF AT 6
25830 /25828	DEF AT local marker floral increase	DEF AT 6
25980 /25978	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT 6
26010 /26008	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 6
26040 /26038	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT 6
26070 /26068	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
26099 /26097	DEF AT local marker floral increase	DEF AT 6
26100 /26098	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 6
26130 /26128	POS AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 6
26219 /26217	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
26220 /26218	DEF AT Bathysiphon fauna	DEF AT 6
26277 /26275	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 6
26278 /26276	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 6
26279 /26277	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
26280 /26278	DEF AT Lower Miocene (Aquitania) Discoaster saundersi	DEF AT 6
26310 /26308	DEF AT Bathysiphon fauna	DEF AT 6
26340 /26338	DEF AT local marker foram decrease	DEF AT 6
26370 /26368	DEF AT reworked material	DEF AT 6
26430 /26428	DEF AT Lower Miocene (Aquitania) Cyclocargolithus abisectus	DEF AT 6
26549 /26547	DEF AT local marker floral increase	DEF AT 6
26550 /26548	DEF AT Lower Miocene (Aquitania) Globigerinoides primordius	DEF AT 6
26580 /26578	DEF AT Lower Miocene (Aquitania) Sphenolithus conicus	DEF AT 6
26610 /26608	DEF AT local marker planktic foram increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 544  
Lease Number: G17003  
Well Name: 001  
API Well Number: 608124002100  
Paleo Report Num: 1 of 1  
Public Info Code: Y 02-JAN-2007

Date of Summary: 21-AUG-2006  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 23580 - 29630  
Ecozone Eq MMS: Y

First Sample Examined: 23580  
Borehole MD: 29630  
Borehole TVD: 29628  
Rkb Elevation: 88  
Water Depth: 6844  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26640 /26638	DEF AT local marker floral increase	DEF AT 6
26670 /26668	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
26707 /26705	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT 6
26708 /26706	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 6
26820 /26818	POS AT local marker planktic foram increase	DEF AT 6
26940 /26938	DEF AT Lower Miocene (Aquitanian) Sphenolithus capricornutus	DEF AT 6
27030 /27028	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 6
27090 /27088	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 6
27119 /27117	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 6
27120 /27118	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
27180 /27178	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
27240 /27238	DEF AT local marker planktic foram increase	DEF IN 6
27269 /27267	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 6
27270 /27268	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
27299 /27297	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 6
27300 /27298	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 6
27450 /27448	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 6
27480 /27478	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 6
27510 /27508	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF IN 6
27540 /27538	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
27569 /27567	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF IN 6
27570 /27568	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
27660 /27658	DEF AT local marker foram decrease	DEF IN 6
27690 /27688	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF IN 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 544	Date of Summary: 21-AUG-2006	First Sample Examined: 23580
Lease Number: G17003	Source of Paleo: OPERATOR	Borehole MD: 29630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29628
API Well Number: 608124002100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 23580 - 29630	Water Depth: 6844
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27720 /27718	DEF AT local marker floral increase	DEF IN 6
27779 /27777	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF IN 6
27780 /27778	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
27810 /27808	DEF AT local marker foram increase	DEF IN 6
27839 /27837	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 6
27840 /27838	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 6
27869 /27867	DEF IN Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF IN 6
27870 /27868	DEF AT radiolarians	DEF IN 6
27898 /27896	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF IN 6
27899 /27897	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF IN 6
27900 /27898	DEF AT radiolarians	DEF IN 6
27960 /27958	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF IN 6
27987 /27985	DEF AT Bathysiphon fauna	DEF IN 6
27988 /27986	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF IN 6
27989 /27987	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 6
27990 /27988	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF IN 6
28020 /28018	DEF AT local marker foram decrease	DEF IN 6
28050 /28048	POS AT local marker planktic foram increase	DEF IN 6
28110 /28108	DEF AT local marker foram decrease	DEF IN 6
28140 /28138	DEF AT Bathysiphon fauna	DEF IN 6
28190 /28188	DEF IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF IN 6
28770 /28768	POS AT Bathysiphon fauna	DEF IN 6
28890 /28888	DEF AT local marker floral increase	DEF IN 6
28920 /28918	DEF AT Bathysiphon fauna	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 544	<b>Date of Summary:</b> 21-AUG-2006	<b>First Sample Examined:</b> 23580
<b>Lease Number:</b> G17003	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29630
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29628
<b>API Well Number:</b> 608124002100	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 23580 - 29630	<b>Water Depth:</b> 6844
<b>Public Info Code:</b> Y 02-JAN-2007	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28950 /28948	DEF AT Arenaceous fauna (local marker)	DEF IN 6
28980 /28978	POS AT local marker foram decrease	DEF IN 6
29040 /29038	DEF AT local marker floral increase	DEF IN 6
29156 /29154	DEF AT Arenaceous fauna (local marker)	DEF IN 6
29220 /29218	DEF AT local marker floral increase	DEF IN 6
29280 /29278	DEF AT Arenaceous fauna (local marker)	DEF IN 6
29369 /29367	DEF AT Bathysiphon fauna	DEF IN 6
29370 /29368	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 6
29400 /29398	DEF AT Arenaceous fauna (local marker)	DEF IN 6
29430 /29428	DEF AT local marker foram decrease	DEF IN 6
29490 /29488	POS AT Bathysiphon fauna	DEF IN 6
29520 /29518	POS AT local marker floral increase	DEF IN 6
29630 /29628	DEF AT last sample examined	DEF IN 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 578	Date of Summary: 01-FEB-2015	First Sample Examined: 25040
Lease Number: G33379	Source of Paleo: OPERATOR	Borehole MD: 27610
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27311
API Well Number: 608124009600	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 25040 - 27610	Water Depth: 6906
Public Info Code: Y 26-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25040 /24912	DEF AT first sample examined	POS AT 6
25041 /24913	DEF IN gouge	POS AT 6
25100 /24968	DEF IN Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
25130 /24996	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
25159 /25023	DEF IN Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 6
25160 /25024	DEF IN Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 6
25310 /25164	DEF AT pyrite	DEF AT 6
25400 /25248	DEF AT local marker foram decrease	DEF AT 6
25460 /25304	DEF AT reworked material	DEF AT 6
25760 /25583	DEF AT -----	POS AT 6
25880 /25695	DEF AT -----	DEF AT 6
25910 /25723	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
25940 /25751	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
26060 /25863	POS AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 6
26420 /26198	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
26509 /26281	DEF AT limestone	DEF IN 5
26510 /26282	DEF AT local marker foram decrease	DEF IN 5
26540 /26310	POS IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
26610 /26376	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 5
26690 /26450	DEF AT reworked material	DEF IN 5
26810 /26562	DEF AT -----	DEF AT 6
26870 /26618	DEF AT -----	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 578	Date of Summary: 01-FEB-2015	First Sample Examined: 25040
Lease Number: G33379	Source of Paleo: OPERATOR	Borehole MD: 27610
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27311
API Well Number: 608124009600	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 25040 - 27610	Water Depth: 6906
Public Info Code: Y 26-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26960 /26702	DEF AT limestone	DEF AT 5
26990 /26730	DEF AT -----	POS AT 5
27050 /26786	DEF AT -----	DEF AT 6
27110 /26842	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
27140 /26870	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
27230 /26955	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
27290 /27011	DEF AT pyrite	DEF AT 6
27319 /27038	DEF AT radiolarians	DEF AT 6
27320 /27039	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
27350 /27067	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 5
27379 /27094	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
27380 /27095	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
27410 /27124	DEF AT limestone	DEF AT 5
27440 /27152	DEF AT radiolarians	DEF AT 5
27500 /27208	POS AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
27530 /27236	DEF AT -----	DEF IN 5
27589 /27291	DEF AT siltstone	DEF IN 5
27590 /27292	POS AT Bathysiphon fauna	DEF IN 5
27610 /27311	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 578	<b>Date of Summary:</b> 18-FEB-2015	<b>First Sample Examined:</b> 35040
<b>Lease Number:</b> G33379	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27610
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27311
<b>API Well Number:</b> 608124009600	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 25040 - 27610	<b>Water Depth:</b> 6906
<b>Public Info Code:</b> Y 26-JUL-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

**Remark:** Calcareous nannofossil report, 25100-25400 = overturned Oligocene salt sheath, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25040 /24912	DEF AT first sample examined	DEF AT
25041 /24913	DEF IN gouge	DEF AT
25100 /24968	DEF AT salt weld	DEF AT
25400 /25248	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challenger	DEF AT
25700 /25527	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
25759 /25582	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
25760 /25583	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25940 /25751	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
26360 /26143	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
26510 /26282	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
26959 /26701	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
26960 /26702	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
27020 /26758	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
27108 /26840	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
27109 /26841	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
27110 /26842	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
27320 /27039	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF AT
27349 /27066	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
27350 /27067	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
27410 /27124	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
27469 /27179	DEF AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 578	<b>Date of Summary:</b> 18-FEB-2015	<b>First Sample Examined:</b> 35040
<b>Lease Number:</b> G33379	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27610
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 27311
<b>API Well Number:</b> 608124009600	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 25040 - 27610	<b>Water Depth:</b> 6906
<b>Public Info Code:</b> Y 26-JUL-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27470 /27180	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT
27610 /27311	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 578	Date of Summary: 01-FEB-2015	First Sample Examined: 27490
Lease Number: G33379	Source of Paleo: OPERATOR	Borehole MD: 30890
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30367
API Well Number: 608124009601	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 27490 - 30890	Water Depth: 6906
Public Info Code: Y 26-JUL-2016	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Foram species abundance and diversity tables available, see report for details, 29020=possible Wilcox marker Rzehakina epigona

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27490 /27195	DEF AT first sample examined	DEF AT 5
27550 /27251	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
27591 /27289	DEF IN radiolarians	DEF AT 5
27610 /27306	DEF AT siltstone	DEF AT 5
27669 /27361	DEF AT limestone	DEF AT 5
27670 /27362	DEF AT radiolarians	DEF AT 5
27790 /27474	DEF AT Bathysiphon fauna	DEF AT 5
28060 /27725	DEF AT sand	DEF AT 5
28150 /27809	DEF AT sand	DEF AT 5
28330 /27977	DEF AT -----	POS AT 5
28420 /28061	DEF IN Lower Eocene (Ypresian) Morozovella acuta	DEF AT 5
28689 /28312	DEF AT pyrite	DEF AT 5
28690 /28313	DEF AT radiolarians	DEF AT 5
29020 /28621	POS AT local marker foram increase	DEF AT 5
29620 /29181	DEF AT -----	POS AT 5
29680 /29237	DEF AT -----	DEF AT 5
30160 /29685	DEF AT Bathysiphon fauna	DEF AT 5
30220 /29741	DEF AT -----	POS AT 5
30640 /30134	DEF AT -----	DEF AT 5
30670 /30162	DEF AT Bathysiphon fauna	DEF AT 5
30890 /30367	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 578	<b>Date of Summary:</b> 18-FEB-2015	<b>First Sample Examined:</b> 27610
<b>Lease Number:</b> G33379	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30890
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 30367
<b>API Well Number:</b> 608124009601	<b>Drilling Operator:</b> MARATHON OIL COMPANY	<b>Rkb Elevation:</b> 85
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 27610 - 30890	<b>Water Depth:</b> 6906
<b>Public Info Code:</b> Y 26-JUL-2016	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27490 /27195	DEF AT first sample examined	DEF AT
27820 /27502	DEF IN Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
27850 /27530	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
28720 /28341	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
28900 /28509	DEF AT local marker floral decrease	DEF AT
29560 /29125	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
30890 /30367	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 581	<b>Date of Summary:</b> 23-OCT-2008	<b>First Sample Examined:</b> 23900
<b>Lease Number:</b> G25257	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28595
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28595
<b>API Well Number:</b> 608124003500	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 72
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 23900 - 28595	<b>Water Depth:</b> 6924
<b>Public Info Code:</b> Y 24-JUL-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Damascus Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23595 /23595	DEF AT first sample examined	DEF AT
23901 /23901	DEF IN salt	DEF AT
23999 /23999	DEF IN base of salt	DEF AT
24000 /24000	DEF AT out-of-place section	DEF AT
24071 /24071	DEF AT local marker floral increase	DEF AT
24100 /24100	POS IN Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
24160 /24160	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24190 /24190	DEF AT floral flood	DEF AT
24430 /24430	POS IN Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
24460 /24460	DEF AT local marker floral decrease	DEF AT
24490 /24490	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24850 /24850	DEF AT local marker floral increase	DEF AT
25200 /25200	DEF IN Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
25290 /25290	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
25350 /25350	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25380 /25380	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
25470 /25470	DEF AT local marker floral increase	DEF AT
25620 /25620	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
25770 /25770	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
26250 /26250	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
26280 /26280	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26340 /26340	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 581  
 Lease Number: G25257  
 Well Name: 001  
 API Well Number: 608124003500  
 Paleo Report Num: 1 of 2  
 Public Info Code: Y 24-JUL-2011

Date of Summary: 23-OCT-2008  
 Source of Paleo: OPERATOR  
 Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
 Drilling Operator: CHEVRON USA INC  
 Sample Range: 23900 - 28595  
 Ecozone Eq MMS:

First Sample Examined: 23900  
 Borehole MD: 28595  
 Borehole TVD: 28595  
 Rkb Elevation: 72  
 Water Depth: 6924  
 Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26370 /26370	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
26430 /26430	DEF AT local marker floral increase	DEF AT
26520 /26520	DEF AT drilling material	DEF AT
26610 /26610	DEF AT local marker floral decrease	DEF AT
26910 /26910	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT
27627 /27627	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
27628 /27628	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
27629 /27629	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
27630 /27630	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
27660 /27660	DEF AT local marker floral decrease	DEF AT
28595 /28595	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 581	Date of Summary: 23-OCT-2008	First Sample Examined: 23900
Lease Number: G25257	Source of Paleo: OPERATOR	Borehole MD: 28595
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28595
API Well Number: 608124003500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 23900 - 28595	Water Depth: 6924
Public Info Code: Y 24-JUL-2011	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Damascus Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23900 /23900	DEF AT first sample examined	DEF AT 6
23901 /23901	POS IN Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
24000 /24000	DEF AT out-of-place section	DEF AT 6
24099 /24099	POS AT Upper Oligocene (Chattian) Marginulina texana	DEF AT 6
24100 /24100	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
24159 /24159	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
24160 /24160	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
24189 /24189	DEF AT local marker planktic foram increase	DEF AT 6
24190 /24190	DEF AT foram flood	DEF AT 6
24250 /24250	DEF AT local marker foram decrease	DEF AT 6
24430 /24430	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
24520 /24520	DEF AT turbid water facies	POS AT 6
24550 /24550	DEF AT Arenaceous fauna (local marker)	POS AT 6
24789 /24789	DEF AT local white Arenaceous fauna	POS AT 6
24790 /24790	DEF AT Bathysiphon fauna	POS AT 6
24850 /24850	DEF AT local marker planktic foram increase	DEF AT 6
24910 /24910	DEF AT local marker foram decrease	DEF AT 6
24940 /24940	DEF AT reworked material	DEF AT 6
24999 /24999	DEF AT turbid water facies	DEF AT 6
25000 /25000	DEF AT Bathysiphon fauna	POS AT 6
25030 /25030	DEF AT local marker deep water fauna	DEF AT 6
25060 /25060	DEF AT turbid water facies	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 581  
Lease Number: G25257  
Well Name: 001  
API Well Number: 608124003500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 24-JUL-2011

Date of Summary: 23-OCT-2008  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 23900 - 28595  
Ecozone Eq MMS: Y

First Sample Examined: 23900  
Borehole MD: 28595  
Borehole TVD: 28595  
Rkb Elevation: 72  
Water Depth: 6924  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25090 /25090	DEF AT local marker foram increase	DEF AT 6
25200 /25200	DEF AT local marker foram increase	DEF AT 6
25319 /25319	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
25320 /25320	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
25379 /25379	DEF AT foram flood	DEF AT 6
25380 /25380	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 6
25410 /25410	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
25650 /25650	DEF AT pyrite	DEF AT 6
25770 /25770	DEF AT local marker benthic foram increase	DEF AT 6
25950 /25950	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
26100 /26100	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 6
26250 /26250	DEF AT local marker benthic foram increase	DEF AT 6
26308 /26308	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 6
26309 /26309	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
26310 /26310	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 6
26340 /26340	DEF AT radiolarians	DEF AT 6
26370 /26370	DEF AT radiolarians	DEF AT 7
26400 /26400	DEF AT pyrite	DEF AT 7
26430 /26430	DEF AT Bathysiphon fauna	DEF AT 7
26460 /26460	DEF AT reworked material	DEF AT 6
26490 /26490	DEF AT pyrite	DEF AT 6
26520 /26520	DEF AT turbid water facies	POS AT 6
27269 /27269	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	POS AT 6
27270 /27270	DEF AT Lower Eocene (Ypresian) Morozovella acuta	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 581  
Lease Number: G25257  
Well Name: 001  
API Well Number: 608124003500  
Paleo Report Num: 2 of 2  
Public Info Code: Y 24-JUL-2011

Date of Summary: 23-OCT-2008  
Source of Paleo: OPERATOR  
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.  
Drilling Operator: CHEVRON USA INC  
Sample Range: 23900 - 28595  
Ecozone Eq MMS: Y

First Sample Examined: 23900  
Borehole MD: 28595  
Borehole TVD: 28595  
Rkb Elevation: 72  
Water Depth: 6924  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27300 /27300	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	POS AT 6
27540 /27540	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	POS AT 6
27570 /27570	DEF AT local marker planktic foram increase	POS AT 6
27600 /27600	DEF AT faunal change (no faunal increase)	DEF AT 6
27900 /27900	DEF AT turbid water facies	POS AT 6
27960 /27960	DEF AT Bathysiphon fauna	POS AT 6
28110 /28110	DEF AT pyrite	POS AT 6
28230 /28230	DEF AT local white Arenaceous fauna	POS AT 6
28350 /28350	DEF AT Bathysiphon fauna	POS AT 6
28595 /28595	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 674	Date of Summary: 02-APR-2013	First Sample Examined: 19410
Lease Number: G32699	Source of Paleo: OPERATOR	Borehole MD: 21371
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21211
API Well Number: 608124008000	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 3	Sample Range: 19410 - 21371	Water Depth: 6812
Public Info Code: Y 12-AUG-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Hummer Shallow Prospect, preliminary calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19410 /19250	DEF AT first sample examined	DEF AT
19411 /19251	DEF IN base of salt	DEF AT
19620 /19460	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19950 /19790	DEF AT reworked material	DEF AT
20369 /20209	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
20370 /20210	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20400 /20240	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20430 /20270	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20490 /20330	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
20550 /20390	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20670 /20510	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20880 /20720	POS AT Upper Miocene Tortonian Stage	DEF AT
21300 /21140	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
21371 /21211	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 674	<b>Date of Summary:</b> 10-JUN-2013	<b>First Sample Examined:</b> 9460
<b>Lease Number:</b> G32699	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21371
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21211
<b>API Well Number:</b> 608124008000	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 9460 - 11620	<b>Water Depth:</b> 6812
<b>Public Info Code:</b> Y 12-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Hummer Shallow Prospect, company-integrated foram and nanno report for the suprasalt stratigraphic section, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9460 / 9460	DEF AT first sample examined	DEF AT 6
9461 / 9461	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
9580 / 9580	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
9640 / 9640	DEF AT local marker floral increase	DEF AT 6
9670 / 9670	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
9850 / 9850	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
9879 / 9879	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
9880 / 9880	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
10180 /10180	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
10240 /10240	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
10600 /10600	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
10988 /10988	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 6
10989 /10989	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT 6
10990 /10990	DEF AT radiolarians	DEF AT 6
11020 /11020	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT 6
11110 /11110	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 6
11139 /11139	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 6
11140 /11140	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 6
11169 /11169	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT 6
11170 /11170	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 6
11500 /11500	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 674	<b>Date of Summary:</b> 10-JUN-2013	<b>First Sample Examined:</b> 9460
<b>Lease Number:</b> G32699	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 21371
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 21211
<b>API Well Number:</b> 608124008000	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 81
<b>Paleo Report Num:</b> 2 of 3	<b>Sample Range:</b> 9460 - 11620	<b>Water Depth:</b> 6812
<b>Public Info Code:</b> Y 12-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11619 /11619	DEF AT salt	DEF AT 6
11620 /11620	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 674	Date of Summary: 18-JUN-2013	First Sample Examined: 19410
Lease Number: G32699	Source of Paleo: OPERATOR	Borehole MD: 21371
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21211
API Well Number: 608124008000	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 81
Paleo Report Num: 3 of 3	Sample Range: 19410 - 21371	Water Depth: 6812
Public Info Code: Y 12-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 003

**Remark:** Hummer Shallow Prospect, company-integrated foram and nanno report for the subsalt stratigraphic section, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19410 /19250	DEF AT first sample examined	DEF AT 6
19411 /19251	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
19650 /19490	DEF AT out-of-place section	DEF AT 6
20369 /20209	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
20370 /20210	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
20400 /20240	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
20430 /20270	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
20490 /20330	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
20669 /20509	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
20670 /20510	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
20880 /20720	DEF AT local marker floral increase	DEF AT 6
20910 /20750	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
21300 /21140	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
21330 /21170	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
21371 /21211	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 678	<b>Date of Summary:</b> 23-JAN-2001	<b>First Sample Examined:</b> 17040
<b>Lease Number:</b> G21245	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 20300
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 20266
<b>API Well Number:</b> 608124000400	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 17040 - 20300	<b>Water Depth:</b> 7036
<b>Public Info Code:</b> Y 20-DEC-2010	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** St Malo Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17040 /17013	DEF AT first sample examined	DEF AT
20240 /20206	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
20300 /20266	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 678	Date of Summary: 23-JAN-2001	First Sample Examined: 20480
Lease Number: G21245	Source of Paleo: OPERATOR	Borehole MD: 26850
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26795
API Well Number: 608124000401	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 20480 - 26570	Water Depth: 7036
Public Info Code: Y 05-FEB-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: St Malo Prospect, calcareous nannofossil report for bypass, 25730=Helicosphaera bramlettei

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20480 /20446	DEF AT last sample examined	DEF AT
20481 /20447	DEF AT Upper Miocene (Messinian) Discoaster quinqueram us	DEF AT
20780 /20746	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
21380 /21346	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21410 /21376	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21560 /21525	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21710 /21675	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22340 /22305	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
22460 /22425	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22730 /22694	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22760 /22724	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23270 /23234	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23750 /23714	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24530 /24494	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
24800 /24764	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
25100 /25064	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
25400 /25364	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
25550 /25514	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
25730 /25693	POS AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
26060 /26015	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
26390 /26339	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
26566 /26512	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 678	<b>Date of Summary:</b> 23-JAN-2001	<b>First Sample Examined:</b> 20480
<b>Lease Number:</b> G21245	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26850
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 26795
<b>API Well Number:</b> 608124000401	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 20480 - 26570	<b>Water Depth:</b> 7036
<b>Public Info Code:</b> Y 05-FEB-2011	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26567 /26513	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
26568 /26514	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
26569 /26515	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26570 /26516	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 678	<b>Date of Summary:</b> 03-SEP-2003	<b>First Sample Examined:</b> 22600
<b>Lease Number:</b> G21245	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29066
<b>Well Name:</b> 002	<b>Paleo Done By:</b> DANALYNNE GRIFFITH	<b>Borehole TVD:</b> 29012
<b>API Well Number:</b> 608124001100	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 3	<b>Sample Range:</b> 22600 - 22927	<b>Water Depth:</b> 6853
<b>Public Info Code:</b> Y 12-NOV-2013	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** St Malo Prospect, paleo from summary report (short interval examined)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22600 /22550	DEF AT first sample examined	POS IN 5
22601 /22551	DEF AT reworked material	POS IN 5
22630 /22580	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
22660 /22610	DEF AT faunal change (no faunal increase)	POS IN 5
22900 /22850	DEF AT faunal change (no faunal increase)	DEF AT 4
22927 /22877	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 678	Date of Summary: 05-SEP-2003	First Sample Examined: 22300
Lease Number: G21245	Source of Paleo: OPERATOR	Borehole MD: 29066
Well Name: 002	Paleo Done By: DANALYNNE GRIFFITH	Borehole TVD: 29012
API Well Number: 608124001100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 22300 - 23080	Water Depth: 6853
Public Info Code: Y 12-NOV-2013	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: St Malo Prospect (paleo from sample-by-sample detail, not from summary report)

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22300 /22251	DEF AT first sample examined	DEF IN 5
22301 /22252	DEF AT local marker planktic foram increase	DEF IN 5
22360 /22311	POS IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
22390 /22340	DEF AT local marker foram decrease	POS IN 5
22569 /22519	DEF AT foram flood	DEF IN 5
22570 /22520	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
22630 /22580	DEF AT -----	DEF AT 4
22660 /22610	DEF AT local marker planktic foram increase	DEF AT 6
22720 /22670	POS IN local marker foram decrease	DEF AT 4
22780 /22730	DEF AT -----	POS AT 4
22990 /22940	DEF AT -----	DEF IN 4
23020 /22970	DEF AT -----	DEF AT 4
23050 /23000	DEF AT -----	POS AT 4
23080 /23030	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 678	Date of Summary: 10-JAN-2004	First Sample Examined: 18794
Lease Number: G21245	Source of Paleo: OPERATOR	Borehole MD: 29066
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 29012
API Well Number: 608124001100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 3 of 3	Sample Range: 18794 - 27250	Water Depth: 6853
Public Info Code: Y 12-NOV-2013	Ecozone Eq MMS:	Paleo ID: 001

Remark: St Malo Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18794 /18751	DEF AT first sample examined	DEF AT
18795 /18752	DEF AT salt	DEF AT
19030 /18986	DEF AT reworked material	DEF AT
19031 /18987	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20590 /20543	POS IN Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT
20890 /20843	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21070 /21022	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
21340 /21292	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21370 /21322	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
21640 /21592	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21700 /21651	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21940 /21891	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22150 /22101	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22570 /22520	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
22630 /22580	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22690 /22640	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
22900 /22850	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22930 /22880	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23230 /23180	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23290 /23240	DEF AT local marker floral increase	DEF AT
23590 /23540	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
23950 /23900	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 678	<b>Date of Summary:</b> 10-JAN-2004	<b>First Sample Examined:</b> 18794
<b>Lease Number:</b> G21245	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29066
<b>Well Name:</b> 002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29012
<b>API Well Number:</b> 608124001100	<b>Drilling Operator:</b> UNION OIL COMPANY OF CALIFORNIA	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 3 of 3	<b>Sample Range:</b> 18794 - 27250	<b>Water Depth:</b> 6853
<b>Public Info Code:</b> Y 12-NOV-2013	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24250 /24200	DEF AT Lower Miocene (Aquitainian) Sphenolithus dissimilis	DEF AT
24640 /24590	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
24790 /24739	DEF AT Lower Miocene (Aquitainian) Helicosphaera recta	DEF AT
24910 /24859	DEF IN Lower Miocene (Aquitainian) Helicosphaera recta	DEF AT
24940 /24889	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
25030 /24979	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
25300 /25249	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25390 /25339	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
25590 /25539	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25660 /25609	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
25780 /25729	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
26050 /25999	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26230 /26179	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
26440 /26389	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
26470 /26419	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
26500 /26449	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
27400 /27348	DEF IN Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
27449 /27397	POS IN Upper Paleocene (Thanetian) Toweius eminens	DEF AT
27450 /27398	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 724	<b>Date of Summary:</b> 05-NOV-2004	<b>First Sample Examined:</b> 14131
<b>Lease Number:</b> G17011	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29848
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29845
<b>API Well Number:</b> 608124001400	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14131 - 29847	<b>Water Depth:</b> 7591
<b>Public Info Code:</b> Y 31-AUG-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Das Bump Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14131 /14130	DEF AT first sample examined	POS AT 5
14510 /14509	DEF AT local marker planktic foram increase	POS AT 5
14870 /14869	DEF AT local marker foram increase	DEF AT 5
14928 /14927	DEF AT local marker floral increase	DEF AT 5
14929 /14928	DEF AT local marker benthic foram increase	DEF AT 5
14930 /14929	DEF AT local marker planktic foram increase	DEF AT 5
14989 /14988	DEF AT local marker floral increase	DEF AT 5
14990 /14989	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
15380 /15379	DEF AT local marker foram increase	DEF AT 5
15530 /15529	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 5
15559 /15558	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
15560 /15559	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15740 /15739	DEF AT local marker foram increase	DEF AT 5
15800 /15799	DEF AT local marker foram increase	DEF AT 5
15830 /15829	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
16069 /16068	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
16070 /16069	DEF AT local marker planktic foram increase	DEF AT 5
16400 /16399	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
16520 /16519	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16699 /16698	POS AT reworked material	DEF AT 5
16700 /16699	POS AT local marker planktic foram increase	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16760 /16759	DEF AT reworked material	DEF AT 5
17480 /17479	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
18199 /18198	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT 5
18200 /18199	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
18229 /18228	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF IN 5
18230 /18229	DEF AT local marker foram increase	DEF IN 5
18260 /18259	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
18290 /18289	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
18319 /18318	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
18320 /18319	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
18349 /18348	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
18350 /18349	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
18589 /18588	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF IN 5
18590 /18589	DEF AT Lower Pliocene (Zanclian) Globigerina druyi / nepenthes "B"	DEF IN 5
18980 /18979	DEF AT local marker planktic foram increase	DEF IN 5
19010 /19009	POS AT local marker floral increase	DEF IN 5
19250 /19249	POS AT local marker foram increase	DEF IN 5
19280 /19279	DEF AT local marker planktic foram increase	DEF IN 5
19310 /19309	DEF AT local marker floral increase	DEF IN 6
19400 /19399	DEF AT local marker foram increase	DEF AT 6
19490 /19489	DEF AT local marker foram decrease	DEF AT 6
19550 /19549	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
19670 /19669	DEF AT local marker floral increase	DEF AT 6
19729 /19728	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 724	<b>Date of Summary:</b> 05-NOV-2004	<b>First Sample Examined:</b> 14131
<b>Lease Number:</b> G17011	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29848
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 29845
<b>API Well Number:</b> 608124001400	<b>Drilling Operator:</b> BP EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 88
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 14131 - 29847	<b>Water Depth:</b> 7591
<b>Public Info Code:</b> Y 31-AUG-2006	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19730 /19729	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
19850 /19849	POS AT local marker foram increase	DEF AT 6
19880 /19879	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
19970 /19969	DEF AT local marker floral increase	DEF AT 6
20060 /20059	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
20240 /20239	DEF AT Arenaceous fauna (local marker)	DEF AT 6
20358 /20357	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
20359 /20358	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
20360 /20359	DEF AT Arenaceous fauna (local marker)	DEF AT 6
20420 /20419	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 6
20480 /20479	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
20539 /20538	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
20540 /20539	POS AT local marker foram increase	DEF AT 6
20629 /20628	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
20630 /20629	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
20720 /20719	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
20810 /20809	DEF AT local marker floral increase	DEF AT 6
21080 /21079	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
21109 /21108	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 6
21110 /21109	DEF AT local marker foram increase	DEF AT 6
21229 /21228	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
21230 /21229	DEF AT local marker foram increase	DEF AT 6
21320 /21319	DEF AT Arenaceous fauna (local marker)	DEF AT 6
21440 /21439	DEF AT Bathysiphon fauna	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21560 /21559	DEF AT local marker foram increase	DEF AT 6
21620 /21619	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
21680 /21679	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
21740 /21739	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
21829 /21828	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
21830 /21829	DEF AT local marker foram increase	DEF AT 6
21859 /21858	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
21860 /21859	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
21920 /21919	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 6
21950 /21949	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT 6
21980 /21979	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
22070 /22069	DEF AT local marker planktic foram increase	DEF AT 6
22130 /22129	DEF AT Arenaceous fauna (local marker)	DEF AT 6
22190 /22189	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 6
22220 /22219	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
22280 /22279	DEF AT local marker foram increase	DEF AT 6
22339 /22338	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT 6
22340 /22339	POS AT Arenaceous fauna (local marker)	DEF AT 6
22460 /22459	POS AT local marker foram increase	DEF AT 6
22490 /22489	DEF AT local marker floral increase	DEF AT 6
22669 /22668	DEF AT local marker floral increase	DEF AT 6
22670 /22669	DEF AT local marker foram increase	DEF AT 6
22700 /22698	DEF AT local marker planktic foram increase	DEF AT 6
22730 /22728	DEF AT local marker floral increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 724  
Lease Number: G17011  
Well Name: 001  
API Well Number: 608124001400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-AUG-2006

Date of Summary: 05-NOV-2004  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 14131 - 29847  
Ecozone Eq MMS: Y

First Sample Examined: 14131  
Borehole MD: 29848  
Borehole TVD: 29845  
Rkb Elevation: 88  
Water Depth: 7591  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22820 /22818	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
22940 /22938	DEF AT local marker floral increase	DEF AT 6
22970 /22968	DEF AT Arenaceous fauna (local marker)	DEF AT 6
23120 /23118	DEF AT Arenaceous fauna (local marker)	DEF AT 6
23180 /23178	POS AT local marker foram increase	DEF AT 6
23209 /23207	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
23210 /23208	DEF AT local marker planktic foram increase	DEF AT 6
23240 /23238	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
23359 /23357	DEF AT local marker floral increase	DEF AT 6
23360 /23358	DEF AT reworked material	DEF AT 6
23420 /23418	POS AT local marker planktic foram increase	DEF AT 6
23510 /23508	POS AT local marker foram increase	DEF AT 6
23540 /23538	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 6
23660 /23658	DEF AT local marker floral increase	DEF AT 6
23749 /23747	DEF AT local marker planktic foram increase	DEF AT 6
23750 /23748	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
23780 /23778	DEF AT reworked material	DEF AT 6
23839 /23837	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 6
23840 /23838	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
23869 /23867	DEF AT local marker planktic foram increase	DEF AT 6
23870 /23868	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 6
23929 /23927	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT 6
23930 /23928	DEF AT local marker foram increase	DEF AT 6
23960 /23958	DEF AT local marker floral increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 724  
Lease Number: G17011  
Well Name: 001  
API Well Number: 608124001400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-AUG-2006

Date of Summary: 05-NOV-2004  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 14131 - 29847  
Ecozone Eq MMS: Y

First Sample Examined: 14131  
Borehole MD: 29848  
Borehole TVD: 29845  
Rkb Elevation: 88  
Water Depth: 7591  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24080 /24078	DEF AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT 6
24169 /24167	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 6
24170 /24168	DEF AT Lower Miocene (Aquitania) Discoaster saundersi	DEF AT 6
24230 /24228	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
24260 /24258	DEF AT local marker foram increase	DEF AT 6
24379 /24377	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
24380 /24378	POS AT local marker foram increase	DEF AT 6
24500 /24498	DEF AT local marker floral increase	DEF AT 6
24529 /24527	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 6
24530 /24528	DEF AT Lower Miocene (Aquitania) Globigerinoides primordius	DEF AT 6
24620 /24618	POS AT Arenaceous fauna (local marker)	DEF AT 6
24649 /24647	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT 6
24650 /24648	DEF AT Lower Miocene (Aquitania) Sphenolithus conicus	DEF AT 6
24680 /24678	DEF AT Arenaceous fauna (local marker)	DEF AT 6
24739 /24737	DEF IN Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 7
24740 /24738	DEF AT Lower Miocene (Aquitania) Globorotalia kugleri	DEF AT 7
24860 /24858	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 7
24920 /24918	DEF AT Arenaceous fauna (local marker)	DEF AT 7
25190 /25188	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 7
25220 /25218	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 7
25250 /25248	DEF AT local marker foram increase	DEF AT 7
25399 /25397	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 7
25400 /25398	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 7
25460 /25458	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 7

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25520 /25518	DEF AT local marker floral increase	DEF AT 7
25669 /25667	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 7
25670 /25668	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 7
25699 /25697	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 7
25700 /25698	DEF AT local marker foram increase	DEF AT 7
25790 /25788	DEF AT local marker foram increase	DEF AT 7
25819 /25817	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 7
25820 /25818	DEF AT local marker planktic foram increase	DEF AT 7
25910 /25908	POS AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT 7
25939 /25937	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 7
25940 /25938	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 7
26000 /25998	DEF AT local marker planktic foram increase	DEF AT 7
26119 /26117	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT 7
26120 /26118	POS AT Arenaceous fauna (local marker)	DEF AT 7
26299 /26297	DEF AT reworked material	DEF AT 7
26300 /26298	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT 7
26539 /26537	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 7
26540 /26538	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT 7
26660 /26658	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 7
26689 /26687	DEF AT local marker foram increase	DEF AT 7
26690 /26688	POS IN Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 7
26717 /26715	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 7
26718 /26716	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 7
26719 /26717	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 7

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26720 /26718	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 7
26749 /26747	DEF AT Upper Eocene (Priabonian) Chiasmolithus consuetus	DEF AT 7
26750 /26748	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 7
26840 /26838	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 7
26900 /26898	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 7
26930 /26928	POS AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 7
26958 /26956	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT 7
26959 /26957	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 7
26960 /26958	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 7
27020 /27018	POS AT radiolarians	DEF AT 7
27050 /27048	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 7
27109 /27107	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT 7
27110 /27108	DEF AT radiolarians	DEF AT 7
27139 /27137	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT 7
27140 /27138	DEF AT Lower Eocene (Ypresian) Tribraichiatius orthostylus	DEF AT 7
27200 /27198	DEF AT Arenaceous fauna (local marker)	DEF AT 7
27350 /27348	DEF AT Bathysiphon fauna	DEF AT 7
27439 /27437	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 7
27440 /27438	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT 7
27459 /27457	DEF AT reworked material	DEF AT 7
27530 /27528	DEF AT local marker floral increase	DEF AT 7
27560 /27558	DEF AT reworked material	DEF AT 7
27740 /27738	DEF AT reworked material	DEF AT 7
27770 /27768	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT 7

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 724  
Lease Number: G17011  
Well Name: 001  
API Well Number: 608124001400  
Paleo Report Num: 1 of 1  
Public Info Code: Y 31-AUG-2006

Date of Summary: 05-NOV-2004  
Source of Paleo: OPERATOR  
Paleo Done By: OPERATOR  
Drilling Operator: BP EXPLORATION & PRODUCTION INC  
Sample Range: 14131 - 29847  
Ecozone Eq MMS: Y

First Sample Examined: 14131  
Borehole MD: 29848  
Borehole TVD: 29845  
Rkb Elevation: 88  
Water Depth: 7591  
Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27890 /27888	DEF AT Bathysiphon fauna	DEF AT 7
27920 /27918	POS AT local marker planktic foram increase	DEF AT 7
27950 /27948	DEF AT Arenaceous fauna (local marker)	DEF AT 7
28040 /28037	DEF AT Bathysiphon fauna	DEF AT 7
28100 /28097	POS AT Arenaceous fauna (local marker)	DEF AT 7
28250 /28247	DEF AT Arenaceous fauna (local marker)	DEF AT 7
28310 /28307	DEF AT Bathysiphon fauna	DEF AT 7
28550 /28547	DEF AT Arenaceous fauna (local marker)	DEF AT 7
28730 /28727	DEF AT Bathysiphon fauna	DEF AT 7
28820 /28817	DEF AT reworked material	DEF AT 7
29000 /28997	DEF AT Bathysiphon fauna	DEF AT 7
29180 /29177	POS AT Bathysiphon fauna	DEF AT 7
29360 /29357	DEF AT Bathysiphon fauna	DEF AT 7
29540 /29536	POS AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT 7
29810 /29806	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT 7
29847 /29843	DEF AT last sample examined	DEF AT 7

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 758	Date of Summary: 01-JUN-2005	First Sample Examined: 16900
Lease Number: G17015	Source of Paleo: OPERATOR	Borehole MD: 28500
Well Name: PS002	Paleo Done By: OPERATOR	Borehole TVD: 28498
API Well Number: 608124001700	Drilling Operator: CHEVRON CORPORATION	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 16900 - 28500	Water Depth: 6959
Public Info Code: Y 08-DEC-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Jack 2 Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16900 /16899	DEF AT first sample examined	DEF AT
16901 /16900	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
17480 /17479	DEF AT reworked material	DEF AT
17500 /17499	POS IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17550 /17549	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
18100 /18099	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
18200 /18199	DEF AT local marker floral increase	DEF AT
18700 /18699	DEF AT local marker floral decrease	DEF AT
18850 /18849	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
19810 /19809	DEF AT local marker floral decrease	DEF AT
19910 /19909	DEF IN Upper (Late) Miocene	DEF AT
19990 /19989	DEF AT drilling material	DEF AT
20110 /20109	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20140 /20139	DEF AT local marker floral decrease	DEF AT
20200 /20199	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20230 /20229	DEF AT local marker floral decrease	DEF AT
20560 /20559	DEF AT local marker floral increase	DEF AT
20590 /20589	DEF AT local marker floral decrease	DEF AT
20620 /20619	DEF AT local marker floral increase	DEF AT
20980 /20979	DEF AT local marker floral decrease	DEF AT
21040 /21039	DEF AT out-of-place section	DEF AT
21070 /21069	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 758	Date of Summary: 01-JUN-2005	First Sample Examined: 16900
Lease Number: G17015	Source of Paleo: OPERATOR	Borehole MD: 28500
Well Name: PS002	Paleo Done By: OPERATOR	Borehole TVD: 28498
API Well Number: 608124001700	Drilling Operator: CHEVRON CORPORATION	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 16900 - 28500	Water Depth: 6959
Public Info Code: Y 08-DEC-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21160 /21159	DEF AT local marker floral increase	DEF AT
21280 /21279	DEF AT local marker floral increase	DEF AT
21340 /21339	DEF AT local marker floral decrease	DEF AT
21430 /21429	DEF AT local marker floral increase	DEF AT
22120 /22119	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22390 /22389	DEF AT local marker floral decrease	DEF AT
22450 /22449	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
22510 /22509	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22570 /22569	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22660 /22659	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22720 /22719	DEF AT local marker floral increase	DEF AT
23050 /23049	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
23080 /23079	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
23140 /23139	DEF AT local marker floral decrease	DEF AT
23170 /23169	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23350 /23349	DEF AT local marker floral decrease	DEF AT
23530 /23529	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
23560 /23559	DEF AT local marker floral increase	DEF AT
23680 /23679	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23740 /23739	DEF AT local marker floral decrease	DEF AT
23800 /23799	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23860 /23859	DEF AT local marker floral decrease	DEF AT
23890 /23889	DEF AT local marker floral increase	DEF AT
23920 /23919	DEF AT local marker floral decrease	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 758	Date of Summary: 01-JUN-2005	First Sample Examined: 16900
Lease Number: G17015	Source of Paleo: OPERATOR	Borehole MD: 28500
Well Name: PS002	Paleo Done By: OPERATOR	Borehole TVD: 28498
API Well Number: 608124001700	Drilling Operator: CHEVRON CORPORATION	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 16900 - 28500	Water Depth: 6959
Public Info Code: Y 08-DEC-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24040 /24039	DEF AT local marker floral increase	DEF AT
24129 /24128	DEF AT floral flood	DEF AT
24130 /24129	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
24160 /24159	DEF AT local marker floral decrease	DEF AT
24340 /24339	DEF AT local marker floral increase	DEF AT
24430 /24429	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
24520 /24519	DEF AT local marker floral increase	DEF AT
24550 /24549	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24640 /24639	DEF AT floral flood	DEF AT
24700 /24699	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
24880 /24879	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
24910 /24909	DEF AT floral flood	DEF AT
24940 /24939	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
25060 /25059	DEF AT local marker floral increase	DEF AT
25150 /25149	DEF AT local marker floral increase	DEF AT
25210 /25209	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
25240 /25239	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25330 /25329	DEF AT local marker floral increase	DEF AT
25360 /25359	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
25420 /25419	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
25450 /25449	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT
25480 /25479	DEF AT local marker floral increase	DEF AT
25510 /25509	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
25600 /25599	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 758	<b>Date of Summary:</b> 01-JUN-2005	<b>First Sample Examined:</b> 16900
<b>Lease Number:</b> G17015	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28500
<b>Well Name:</b> PS002	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28498
<b>API Well Number:</b> 608124001700	<b>Drilling Operator:</b> CHEVRON CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16900 - 28500	<b>Water Depth:</b> 6959
<b>Public Info Code:</b> Y 08-DEC-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26020 /26019	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
26050 /26049	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
26150 /26149	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26170 /26169	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
26270 /26269	DEF AT local marker floral decrease	DEF AT
26390 /26389	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
26420 /26419	DEF AT local marker floral decrease	DEF AT
26449 /26448	DEF AT floral flood	DEF AT
26450 /26449	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
26510 /26509	POS AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
26600 /26599	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
26710 /26709	DEF AT local marker floral decrease	DEF AT
26980 /26979	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
27220 /27219	DEF AT sample gap top	DEF AT
27370 /27369	DEF AT sample gap bottom	DEF AT
27490 /27489	DEF AT reworked material	DEF AT
28230 /28228	DEF AT local marker floral decrease	DEF AT
28380 /28378	DEF AT local marker floral increase	DEF AT
28500 /28498	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 758	Date of Summary: 27-JUN-2005	First Sample Examined: 19810
Lease Number: G17015	Source of Paleo: OPERATOR	Borehole MD: 28500
Well Name: PS002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28498
API Well Number: 608124001700	Drilling Operator: CHEVRON CORPORATION	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19810 - 28500	Water Depth: 6959
Public Info Code: Y 08-DEC-2015	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Jack 2 Prospect, paleo done by Bruce Desselle, 27630=rare Upper Paleocene Rzehakina epigona, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19810 /19809	DEF AT first sample examined	DEF IN 6
19811 /19810	DEF AT out-of-place section	DEF IN 6
19900 /19899	DEF AT - - - - -	DEF AT 6
20500 /20499	DEF AT pyrite	DEF AT 6
20590 /20589	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
20620 /20619	DEF AT pyrite	DEF AT 6
20650 /20649	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
21010 /21009	DEF AT transported inner shelf facies	POS AT 6
21070 /21069	DEF AT - - - - -	DEF AT 6
21239 /21238	DEF AT turbid water facies	POS AT 6
21250 /21249	POS AT local marker planktic foram increase	DEF AT 6
21640 /21639	POS AT Arenaceous fauna (local marker)	POS AT 6
21820 /21819	DEF AT Bathysiphon fauna	POS AT 6
22119 /22118	DEF AT pyrite	POS AT 6
22120 /22119	DEF AT local white Arenaceous fauna	POS AT 6
22150 /22149	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
22209 /22208	DEF AT turbid water facies	POS AT 6
22210 /22209	DEF AT local white Arenaceous fauna	POS AT 6
22300 /22299	DEF AT local marker foram increase	DEF AT 6
22330 /22329	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
22360 /22359	DEF AT turbid water facies	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 758	Date of Summary: 27-JUN-2005	First Sample Examined: 19810
Lease Number: G17015	Source of Paleo: OPERATOR	Borehole MD: 28500
Well Name: PS002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28498
API Well Number: 608124001700	Drilling Operator: CHEVRON CORPORATION	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19810 - 28500	Water Depth: 6959
Public Info Code: Y 08-DEC-2015	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22450 /22449	DEF AT local marker planktic foram increase	POS AT 6
22510 /22509	DEF AT - - - - -	DEF AT 6
22570 /22569	DEF AT local marker planktic foram increase	DEF AT 6
22600 /22599	DEF AT turbid water facies	POS AT 6
22630 /22629	DEF AT pyrite	POS AT 6
22659 /22658	DEF AT limestone	DEF AT 6
22660 /22659	DEF AT local marker planktic foram increase	DEF AT 6
22720 /22719	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
22840 /22839	DEF AT turbid water facies	POS AT 6
22870 /22869	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
22900 /22899	DEF AT - - - - -	DEF AT 5
22930 /22929	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
23050 /23049	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
23080 /23079	DEF AT Arenaceous fauna (local marker)	DEF AT 6
23170 /23169	DEF AT - - - - -	DEF AT 5
23200 /23199	DEF AT - - - - -	DEF AT 6
23349 /23348	DEF AT turbid water facies	POS AT 6
23350 /23349	DEF AT Bathysiphon fauna	POS AT 6
23380 /23379	DEF AT Arenaceous fauna (local marker)	POS AT 6
23440 /23439	DEF AT Middle Miocene (Langhian) Globigerinoides sicanius	DEF AT 5
23470 /23469	DEF AT turbid water facies	POS AT 5
23499 /23498	DEF AT pyrite	POS AT 5
23500 /23499	DEF AT Arenaceous fauna (local marker)	POS AT 5
23590 /23589	DEF AT local marker benthic foram increase	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 758	Date of Summary: 27-JUN-2005	First Sample Examined: 19810
Lease Number: G17015	Source of Paleo: OPERATOR	Borehole MD: 28500
Well Name: PS002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28498
API Well Number: 608124001700	Drilling Operator: CHEVRON CORPORATION	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19810 - 28500	Water Depth: 6959
Public Info Code: Y 08-DEC-2015	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23738 /23737	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
23770 /23769	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 6
23800 /23799	DEF AT limestone	DEF AT 6
23920 /23919	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
23980 /23979	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 6
24069 /24068	DEF AT turbid water facies	POS AT 6
24070 /24069	DEF AT pyrite	POS AT 6
24160 /24159	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	POS AT 6
24190 /24189	DEF AT - - - - -	DEF AT 6
24220 /24219	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
24310 /24309	DEF AT glauconite	DEF AT 6
24338 /24337	DEF AT turbid water facies	POS AT 6
24339 /24338	DEF AT limestone	POS AT 6
24340 /24339	DEF AT local marker planktic foram increase	POS AT 6
24370 /24369	DEF AT pyrite	DEF AT 6
24520 /24519	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 6
24610 /24609	DEF AT limestone	DEF AT 6
24820 /24819	DEF AT transported outer shelf facies	POS AT 6
24850 /24849	DEF AT local marker benthic foram increase	POS AT 6
24910 /24909	DEF AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF AT 6
24940 /24939	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
24970 /24969	DEF AT limestone	DEF AT 6
25090 /25089	DEF IN Upper Oligocene (Chattian) Globigerina sellii	DEF AT 6
25120 /25119	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 6

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 758	Date of Summary: 27-JUN-2005	First Sample Examined: 19810
Lease Number: G17015	Source of Paleo: OPERATOR	Borehole MD: 28500
Well Name: PS002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28498
API Well Number: 608124001700	Drilling Operator: CHEVRON CORPORATION	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19810 - 28500	Water Depth: 6959
Public Info Code: Y 08-DEC-2015	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25210 /25209	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
25330 /25329	DEF AT foram flood	DEF AT 6
25480 /25479	DEF AT local marker foram decrease	DEF AT 4
25510 /25509	DEF AT siltstone	DEF AT 4
25570 /25569	DEF AT - - - - -	DEF AT 6
25600 /25599	DEF AT local marker foram decrease	DEF AT 4
25660 /25659	DEF AT limestone	DEF AT 4
25690 /25689	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
25809 /25808	DEF AT glauconite	DEF AT 6
25810 /25809	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
26050 /26049	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 6
26080 /26079	DEF AT local marker planktic foram increase	DEF AT 6
26150 /26149	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
26180 /26179	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
26210 /26209	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
26358 /26357	DEF AT radiolarians	DEF AT 6
26359 /26358	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
26360 /26359	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 6
26420 /26419	DEF AT radiolarians	DEF AT 6
26449 /26448	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 6
26450 /26449	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 6
26478 /26477	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 6
26479 /26478	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 6
26480 /26479	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 758	<b>Date of Summary:</b> 27-JUN-2005	<b>First Sample Examined:</b> 19810
<b>Lease Number:</b> G17015	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28500
<b>Well Name:</b> PS002	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28498
<b>API Well Number:</b> 608124001700	<b>Drilling Operator:</b> CHEVRON CORPORATION	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19810 - 28500	<b>Water Depth:</b> 6959
<b>Public Info Code:</b> Y 08-DEC-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26510 /26509	DEF AT local marker foram decrease	DEF AT 6
26520 /26519	DEF AT radiolarians	DEF AT 7
26566 /26565	DEF AT local marker foram decrease	DEF IN 6
26570 /26569	POS AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 6
26600 /26599	DEF AT Arenaceous fauna (local marker)	DEF IN 6
26610 /26609	DEF AT local marker foram decrease	DEF IN 6
26630 /26629	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF IN 6
26640 /26639	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF IN 6
26649 /26648	DEF AT drilling material	POS IN 6
26650 /26649	DEF AT turbid water facies	POS IN 6
27050 /27049	POS AT limestone	POS IN 6
27430 /27429	DEF AT pyrite	POS AT 6
27630 /27629	POS IN Upper Paleocene Thanetian Stage	POS AT 6
28199 /28197	DEF AT Bathysiphon fauna	DEF AT 6
28200 /28198	POS AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	POS AT 6
28500 /28498	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 759	Date of Summary: 27-APR-2004	First Sample Examined: 19500
Lease Number: G17016	Source of Paleo: OPERATOR	Borehole MD: 19653
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19643
API Well Number: 608124001300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 19500 - 19641	Water Depth: 6965
Public Info Code: Y 17-JUN-2014	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Jack Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19500 /19490	DEF AT first sample examined	DEF AT
19501 /19491	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19509 /19499	DEF AT salt	DEF AT
19582 /19572	DEF IN salt	DEF AT
19583 /19573	DEF IN floral flood	DEF AT
19584 /19574	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
19599 /19589	DEF AT floral flood	DEF AT
19600 /19590	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
19629 /19619	DEF AT local marker floral decrease	DEF AT
19630 /19620	DEF AT salt	DEF AT
19641 /19631	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 759	Date of Summary: 27-APR-2004	First Sample Examined: 18104
Lease Number: G17016	Source of Paleo: OPERATOR	Borehole MD: 29000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28986
API Well Number: 608124001301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 18104 - 29000	Water Depth: 6965
Public Info Code: Y 08-AUG-2014	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Jack Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18104 /18091	DEF AT first sample examined	DEF AT
18105 /18092	DEF IN salt	DEF AT
18350 /18337	DEF AT local marker floral decrease	DEF AT
19370 /19357	DEF AT out-of-place section	DEF AT
19515 /19502	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
19639 /19626	DEF AT base of salt	DEF AT
19640 /19627	POS IN Lower Oligocene	DEF AT
19680 /19667	DEF AT local marker floral increase	DEF AT
19869 /19856	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
19870 /19857	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
19950 /19937	DEF AT local marker floral decrease	DEF AT
20070 /20057	DEF AT local marker floral increase	DEF AT
20100 /20087	DEF AT local marker floral decrease	DEF AT
20220 /20207	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20310 /20297	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20400 /20387	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20640 /20627	DEF AT local marker floral decrease	DEF AT
20730 /20717	DEF AT reworked material	DEF AT
21270 /21257	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21330 /21317	DEF AT local marker floral decrease	DEF AT
21840 /21827	DEF AT local marker floral increase	DEF AT
21930 /21917	DEF AT local marker floral decrease	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 759	Date of Summary: 27-APR-2004	First Sample Examined: 18104
Lease Number: G17016	Source of Paleo: OPERATOR	Borehole MD: 29000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28986
API Well Number: 608124001301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 18104 - 29000	Water Depth: 6965
Public Info Code: Y 08-AUG-2014	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 /22307	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22350 /22337	DEF AT local marker floral decrease	DEF AT
22500 /22487	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22590 /22577	DEF AT local marker floral decrease	DEF AT
22680 /22667	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
22710 /22697	DEF AT local marker floral decrease	DEF AT
22890 /22877	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23040 /23027	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
23430 /23417	DEF AT local marker floral decrease	DEF AT
23730 /23717	DEF AT floral flood	DEF AT
23790 /23777	DEF AT local marker floral decrease	DEF AT
23850 /23837	DEF AT local marker floral increase	DEF AT
24030 /24017	DEF AT local marker floral decrease	DEF AT
24210 /24196	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
24810 /24796	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
25020 /25006	DEF AT Lower Miocene (Aquitanian) Sphenolithus capricornutus	DEF AT
25200 /25186	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
25260 /25246	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25470 /25456	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25500 /25486	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
25560 /25546	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25650 /25636	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25740 /25726	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
25770 /25756	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 759	Date of Summary: 27-APR-2004	First Sample Examined: 18104
Lease Number: G17016	Source of Paleo: OPERATOR	Borehole MD: 29000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28986
API Well Number: 608124001301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 18104 - 29000	Water Depth: 6965
Public Info Code: Y 08-AUG-2014	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25860 /25846	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
26010 /25996	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
26160 /26146	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
26190 /26176	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
26460 /26446	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26655 /26641	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
26699 /26685	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
26700 /26686	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
26730 /26716	POS IN Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
26790 /26776	DEF AT local marker floral decrease	DEF AT
26840 /26826	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
26850 /26836	POS AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF AT
26880 /26866	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
26940 /26926	DEF AT local marker floral increase	DEF AT
26970 /26956	DEF AT local marker floral decrease	DEF AT
27000 /26986	DEF AT local marker floral increase	DEF AT
27031 /27017	DEF AT local marker floral decrease	DEF AT
27390 /27376	POS AT local marker floral increase	DEF AT
27480 /27466	DEF AT local marker floral increase	DEF AT
27510 /27496	DEF AT local marker floral decrease	DEF AT
27570 /27556	DEF AT local marker floral increase	DEF AT
27600 /27586	DEF AT local marker floral decrease	DEF AT
28319 /28305	POS AT reworked material	DEF AT
28320 /28306	POS AT Cretaceous	DEF AT

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 759	<b>Date of Summary:</b> 27-APR-2004	<b>First Sample Examined:</b> 18104
<b>Lease Number:</b> G17016	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28986
<b>API Well Number:</b> 608124001301	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 18104 - 29000	<b>Water Depth:</b> 6965
<b>Public Info Code:</b> Y 08-AUG-2014	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29000 /28986	DEF AT last sample examined	DEF AT

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 759	<b>Date of Summary:</b> 15-JUL-2004	<b>First Sample Examined:</b> 19370
<b>Lease Number:</b> G17016	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28986
<b>API Well Number:</b> 608124001301	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19370 - 29000	<b>Water Depth:</b> 6965
<b>Public Info Code:</b> Y 08-AUG-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Jack Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19370 /19357	DEF AT first sample examined	DEF AT 5
19371 /19358	DEF IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
19515 /19502	DEF AT salt	DEF AT 5
19639 /19626	DEF AT base of salt	DEF AT 5
19640 /19627	DEF IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
19680 /19667	POS AT Upper Paleocene (Thanetian) Morozovella angulata	DEF AT 5
19710 /19697	DEF AT local marker foram decrease	DEF AT 5
20280 /20267	DEF AT local white Arenacous fauna	DEF AT 5
20460 /20447	DEF AT pyrite	DEF AT 5
20550 /20537	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
20669 /20656	DEF AT transported shelf fauna	DEF AT 5
20670 /20657	DEF AT local marker planktic foram increase	DEF AT 5
20790 /20777	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
21150 /21137	POS IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
21240 /21227	DEF AT local white Arenacous fauna	DEF AT 5
21480 /21467	DEF AT local white Arenacous fauna	DEF AT 5
21599 /21586	DEF AT pyrite	DEF AT 5
21600 /21587	DEF AT local white Arenacous fauna	DEF AT 5
21630 /21617	DEF AT faunal change (no faunal increase)	DEF AT 4
21660 /21647	DEF AT Bathysiphon fauna	DEF AT 4
21870 /21857	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF AT 4
21900 /21887	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 759	Date of Summary: 15-JUL-2004	First Sample Examined: 19370
Lease Number: G17016	Source of Paleo: OPERATOR	Borehole MD: 29000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 28986
API Well Number: 608124001301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 19370 - 29000	Water Depth: 6965
Public Info Code: Y 08-AUG-2014	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21960 /21947	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
22020 /22007	POS AT Bathysiphon fauna	DEF AT 5
22140 /22127	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
22200 /22187	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
22260 /22247	DEF AT Bathysiphon fauna	DEF AT 5
22320 /22307	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22470 /22457	DEF AT Arenaceous fauna (local marker)	DEF AT 5
22530 /22517	DEF AT foram flood	DEF AT 5
22830 /22817	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
22950 /22937	DEF AT local marker planktic foram increase	DEF AT 5
23190 /23177	DEF AT local marker foram decrease	DEF AT 5
23220 /23207	POS AT Arenaceous fauna (local marker)	DEF AT 5
23250 /23237	DEF AT black shale	DEF AT 5
23340 /23327	POS AT Arenaceous fauna (local marker)	DEF AT 5
23430 /23417	DEF AT Bathysiphon fauna	DEF AT 5
23490 /23477	DEF AT local marker foram decrease	DEF AT 5
23520 /23507	DEF AT faunal change (no faunal increase)	DEF AT 4
23610 /23597	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
23640 /23627	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
23670 /23657	DEF AT local marker foram decrease	DEF AT 4
23820 /23807	DEF AT Bathysiphon fauna	DEF AT 4
23850 /23837	DEF AT local marker planktic foram increase	DEF AT 4
23940 /23927	DEF AT local marker foram decrease	DEF AT 4
24000 /23987	DEF AT local marker planktic foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 759	<b>Date of Summary:</b> 15-JUL-2004	<b>First Sample Examined:</b> 19370
<b>Lease Number:</b> G17016	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28986
<b>API Well Number:</b> 608124001301	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19370 - 29000	<b>Water Depth:</b> 6965
<b>Public Info Code:</b> Y 08-AUG-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24060 /24046	DEF AT foram flood	DEF AT 4
24090 /24076	DEF AT faunal change (no faunal increase)	DEF AT 5
24175 /24161	DEF AT local marker foram decrease	DEF AT 5
24210 /24196	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
24270 /24256	DEF AT local marker planktic foram increase	DEF AT 5
24480 /24466	DEF AT foram flood	DEF AT 5
24540 /24526	DEF AT local marker foram decrease	DEF AT 5
24660 /24646	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
24720 /24706	DEF AT siltstone	DEF AT 5
24780 /24766	DEF AT gray shale	DEF AT 5
24809 /24795	DEF AT limestone	DEF AT 5
24810 /24796	DEF AT local marker foram decrease	DEF AT 5
24960 /24946	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
24989 /24975	DEF AT limestone	DEF AT 5
24990 /24976	DEF AT local marker foram decrease	DEF AT 5
25230 /25216	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
25320 /25306	DEF AT local marker foram decrease	DEF AT 5
25380 /25366	DEF AT local marker foram increase	DEF AT 5
25410 /25396	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
25470 /25456	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
25500 /25486	DEF AT foram flood	DEF AT 5
25890 /25876	DEF AT local marker foram decrease	DEF AT 5
25980 /25966	DEF AT local marker deep water fauna	DEF AT 5
26070 /26056	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 759	<b>Date of Summary:</b> 15-JUL-2004	<b>First Sample Examined:</b> 19370
<b>Lease Number:</b> G17016	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29000
<b>Well Name:</b> 001	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 28986
<b>API Well Number:</b> 608124001301	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19370 - 29000	<b>Water Depth:</b> 6965
<b>Public Info Code:</b> Y 08-AUG-2014	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26340 /26326	DEF AT limestone	DEF AT 5
26400 /26386	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
26430 /26416	DEF AT local marker foram decrease	DEF AT 5
26503 /26489	DEF AT limestone	DEF AT 5
26520 /26506	DEF AT faunal change (no faunal increase)	DEF AT 4
26550 /26536	DEF IN Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4
26595 /26581	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 4
26610 /26596	POS AT radiolarians	DEF AT 4
26640 /26626	DEF AT local marker foram decrease	DEF AT 4
26700 /26686	DEF AT radiolarians	DEF IN 5
26790 /26776	DEF AT local marker foram decrease	DEF AT 5
26910 /26896	DEF AT pyrite	DEF AT 5
27599 /27585	DEF AT pyrite	DEF AT 5
27600 /27586	POS AT radiolarians	DEF AT 5
27660 /27646	DEF AT pyrite	DEF AT 5
27720 /27706	POS AT Bathysiphon fauna	DEF AT 5
27900 /27886	DEF AT Bathysiphon fauna	DEF AT 5
28379 /28365	DEF AT pyrite	DEF AT 5
28380 /28366	DEF AT Bathysiphon fauna	DEF AT 5
28470 /28456	DEF AT local marker foram decrease	DEF AT 5
28560 /28546	DEF AT drilling material	DEF AT 5
29000 /28986	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 848	Date of Summary: 04-APR-2008	First Sample Examined: 15300
Lease Number: G20403	Source of Paleo: OPERATOR	Borehole MD: 28842
Well Name: WR001	Paleo Done By: OPERATOR	Borehole TVD: 28842
API Well Number: 608124002600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15300 - 28842	Water Depth: 7657
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15300 /15300	DEF AT first sample examined	DEF AT 6
15359 /15359	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 6
15360 /15360	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
15390 /15390	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT 6
16289 /16289	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 6
16290 /16290	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 6
18080 /18080	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 6
18180 /18180	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
19227 /19227	DEF AT condensed section	DEF AT 6
19228 /19228	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
19229 /19229	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 6
19230 /19230	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
19319 /19319	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
19320 /19320	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
19350 /19350	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
19500 /19500	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
19530 /19530	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
19620 /19620	DEF AT Upper Miocene (Messinian) Discoaster variabilis (downdip)	DEF AT 6
19800 /19800	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
20340 /20340	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
20370 /20370	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
20400 /20400	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 848	Date of Summary: 04-APR-2008	First Sample Examined: 15300
Lease Number: G20403	Source of Paleo: OPERATOR	Borehole MD: 28842
Well Name: WR001	Paleo Done By: OPERATOR	Borehole TVD: 28842
API Well Number: 608124002600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15300 - 28842	Water Depth: 7657
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20760 /20760	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
20790 /20790	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
21000 /21000	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
21629 /21629	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
21630 /21630	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF IN 5
21660 /21660	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
21810 /21810	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
21990 /21990	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 5
22439 /22439	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
22440 /22440	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
22590 /22590	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
22740 /22740	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF IN 5
22920 /22920	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
23010 /23010	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
23040 /23040	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 5
23340 /23340	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF IN 5
23520 /23520	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
23639 /23639	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
23640 /23640	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
23850 /23850	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF IN 5
23880 /23880	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 5
24210 /24210	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF IN 5
24239 /24239	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF IN 5
24240 /24240	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 848	<b>Date of Summary:</b> 04-APR-2008	<b>First Sample Examined:</b> 15300
<b>Lease Number:</b> G20403	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28842
<b>Well Name:</b> WR001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28842
<b>API Well Number:</b> 608124002600	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15300 - 28842	<b>Water Depth:</b> 7657
<b>Public Info Code:</b> Y 10-AUG-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24930 /24930	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF IN 5
24960 /24960	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 5
25050 /25050	DEF AT Lower Miocene (Aquitainian) Helicosphaera recta	DEF IN 5
25110 /25110	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF IN 5
25140 /25140	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF IN 5
25350 /25350	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
25380 /25380	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 5
25410 /25410	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF IN 5
25770 /25770	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
25920 /25920	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
26070 /26070	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5
26160 /26160	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 5
26190 /26190	DEF AT local marker floral increase	DEF IN 5
26580 /26580	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF IN 5
26639 /26639	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5
26640 /26640	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
26700 /26700	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 5
26760 /26760	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 5
26820 /26820	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 5
26850 /26850	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 5
27148 /27148	DEF AT floral flood	DEF IN 5
27149 /27149	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF IN 5
27150 /27150	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF IN 5
27210 /27210	DEF AT condensed section	DEF AT 4

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Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 848	<b>Date of Summary:</b> 04-APR-2008	<b>First Sample Examined:</b> 15300
<b>Lease Number:</b> G20403	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28842
<b>Well Name:</b> WR001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28842
<b>API Well Number:</b> 608124002600	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 15300 - 28842	<b>Water Depth:</b> 7657
<b>Public Info Code:</b> Y 10-AUG-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27268 /27268	DEF AT Middle Eocene (Bartonian) Pemma balium	DEF AT 4
27269 /27269	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 4
27270 /27270	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT 4
27300 /27300	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 4
27360 /27360	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 4
27420 /27420	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT 4
27450 /27450	DEF AT radiolarians	DEF AT 4
27508 /27508	DEF AT unconformity	DEF AT 4
27509 /27509	DEF AT local marker floral decrease	DEF AT 4
27510 /27510	DEF AT local marker foram decrease	DEF AT 4
27570 /27570	POS AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	POS AT 4
27628 /27628	POS AT maximum flooding surface	POS AT 4
27629 /27629	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	POS AT 4
27630 /27630	DEF AT Lower Eocene (Ypresian) Morozovella acuta	POS AT 4
28520 /28520	POS AT maximum flooding surface	POS AT 4
28530 /28530	DEF AT Arenaceous fauna (local marker)	POS AT 4
28740 /28740	POS IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	POS AT 4
28842 /28842	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 969	Date of Summary: 22-SEP-2011	First Sample Examined: 17798
Lease Number: G26419	Source of Paleo: OPERATOR	Borehole MD: 27400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27391
API Well Number: 608124004800	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 4	Sample Range: 17798 - 27380	Water Depth: 7755
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Logan Prospect, wellsite subsalt calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17798 /17796	DEF AT first sample examined	DEF AT
17799 /17797	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17830 /17828	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
19150 /19148	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19540 /19538	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19780 /19778	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
19868 /19866	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19869 /19867	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19870 /19868	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19900 /19898	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20018 /20016	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20019 /20017	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
20020 /20018	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20089 /20087	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20380 /20378	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20590 /20588	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21100 /21098	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21190 /21188	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21566 /21564	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21640 /21638	DEF AT local marker floral increase	DEF AT
21999 /21997	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
22000 /21998	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 969	<b>Date of Summary:</b> 22-SEP-2011	<b>First Sample Examined:</b> 17798
<b>Lease Number:</b> G26419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27391
<b>API Well Number:</b> 608124004800	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 17798 - 27380	<b>Water Depth:</b> 7755
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22090 /22088	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
22448 /22446	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
22449 /22447	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
22450 /22448	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
22480 /22478	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22570 /22568	DEF AT Lower Miocene (Aquitania) Sphenolithus conicus	DEF AT
22630 /22628	DEF AT local marker floral increase	DEF AT
22810 /22808	DEF AT local marker floral increase	DEF AT
23230 /23228	POS AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT
23350 /23348	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
23529 /23527	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
23530 /23528	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
23710 /23708	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23800 /23797	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
23919 /23916	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
23920 /23917	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24160 /24157	DEF AT local marker floral increase	DEF AT
24280 /24277	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
24310 /24307	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
24610 /24607	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
24640 /24637	DEF AT local marker floral increase	DEF AT
24670 /24667	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT
24790 /24787	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
24820 /24817	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 969	<b>Date of Summary:</b> 22-SEP-2011	<b>First Sample Examined:</b> 17798
<b>Lease Number:</b> G26419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27391
<b>API Well Number:</b> 608124004800	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 4	<b>Sample Range:</b> 17798 - 27380	<b>Water Depth:</b> 7755
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24850 /24847	DEF AT local marker floral increase	DEF AT
24909 /24906	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
24910 /24907	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
25030 /25027	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
25150 /25146	DEF IN Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
25269 /25265	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
25270 /25266	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF AT
25450 /25445	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
25480 /25474	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
25650 /25644	DEF AT radiolarians	DEF AT
25730 /25723	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
26100 /26092	DEF AT Lower (Early) Paleocene	DEF AT
26139 /26131	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
26140 /26132	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
26460 /26452	DEF AT local marker floral increase	DEF AT
27390 /27381	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 969	<b>Date of Summary:</b> 22-SEP-2011	<b>First Sample Examined:</b> 10862
<b>Lease Number:</b> G26419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27391
<b>API Well Number:</b> 608124004800	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 10862 - 14280	<b>Water Depth:</b> 7755
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

**Remark:** Logan Prospect, wellsite suprasalt calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10862 /10862	DEF AT first sample examined	DEF AT
10890 /10890	DEF AT reworked material	DEF AT
11340 /11340	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
11610 /11610	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
11909 /11909	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
11910 /11910	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
12060 /12060	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	DEF AT
12240 /12240	DEF AT Upper Cretaceous (Maastrichtian) Reinhardites levis	DEF AT
12330 /12330	DEF AT Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
12360 /12360	DEF AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
12389 /12389	DEF AT Upper Cretaceous (Campanian) Reinhardites anthophorus "A"	DEF AT
12390 /12390	DEF AT Upper Cretaceous (Campanian) Aspidolithus parvus parvus	DEF AT
12570 /12569	DEF AT Upper Cretaceous (Campanian) Eiffellithus eximius	DEF AT
12690 /12689	DEF AT Upper Cretaceous (Campanian) Lithastrinus grillii	DEF AT
12780 /12779	DEF AT Upper Cretaceous (Campanian) Bukryaster hayi	DEF AT
12870 /12869	DEF AT Upper Cretaceous (Campanian) Marthasterites furcatus	DEF AT
13050 /13049	DEF AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
13290 /13289	DEF AT Upper Cretaceous (Coniacian) Quadrum gartneri	DEF AT
13380 /13379	DEF AT Upper Cretaceous (Coniacian) Stoverius achylosus	DEF AT
13469 /13468	DEF AT Upper Cretaceous (Cenomanian) Microstaurus chiasmus	DEF AT
13470 /13469	DEF AT Upper Cretaceous (Cenomanian) Axopodorhabdus albianus	DEF AT
13500 /13499	DEF AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 969	<b>Date of Summary:</b> 22-SEP-2011	<b>First Sample Examined:</b> 10862
<b>Lease Number:</b> G26419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27391
<b>API Well Number:</b> 608124004800	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 10862 - 14280	<b>Water Depth:</b> 7755
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13980 /13979	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF AT
14010 /14009	DEF AT Lower Cretaceous (Albian) Hayesites albiensis	DEF AT
14129 /14128	DEF AT Lower Cretaceous (Barremian) Calcicalathina oblongata	DEF AT
14130 /14129	DEF AT Lower Cretaceous (Barremian) Lithraphidites bollii	DEF AT
14189 /14188	DEF AT Lower Cretaceous (Hauterivian) Speetonia colligata	DEF AT
14190 /14189	DEF AT Lower Cretaceous (Hauterivian) Cruciellipsis cuvillieri	DEF AT
14280 /14278	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 969	Date of Summary: 28-NOV-2011	First Sample Examined: 17770
Lease Number: G26419	Source of Paleo: OPERATOR	Borehole MD: 27400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27391
API Well Number: 608124004800	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 3 of 4	Sample Range: 17770 - 27330	Water Depth: 7755
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Logan Prospect, subsalt paleo done by Ragan Biostrat, foram species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17770 /17768	DEF AT first sample examined	DEF AT 5
17771 /17769	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18250 /18248	DEF AT - - - - -	DEF AT 4
19390 /19388	DEF AT local marker planktic foram increase	DEF AT 5
19570 /19568	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
19749 /19747	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
19750 /19748	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
19840 /19838	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19930 /19928	DEF AT - - - - -	DEF AT 5
19960 /19958	DEF AT transported shelf fauna	DEF AT 5
20170 /20168	DEF AT - - - - -	DEF AT 4
20350 /20348	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20800 /20798	DEF AT Bathysiphon fauna	DEF AT 4
20860 /20858	DEF AT - - - - -	DEF AT 5
20890 /20888	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
21130 /21128	DEF AT Bathysiphon fauna	DEF AT 4
21280 /21278	DEF AT local marker planktic foram increase	DEF AT 5
21310 /21308	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21430 /21428	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21460 /21458	DEF AT - - - - -	DEF AT 4
21640 /21638	DEF AT - - - - -	DEF AT 5
21700 /21698	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 969	Date of Summary: 28-NOV-2011	First Sample Examined: 17770
Lease Number: G26419	Source of Paleo: OPERATOR	Borehole MD: 27400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27391
API Well Number: 608124004800	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 3 of 4	Sample Range: 17770 - 27330	Water Depth: 7755
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21880 /21878	DEF AT Arenaceous fauna (local marker)	DEF AT 5
21910 /21908	DEF AT Bathysiphon fauna	DEF AT 5
22060 /22058	DEF AT radiolarians	DEF AT 5
22090 /22088	DEF AT - - - - -	DEF AT 4
22210 /22208	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
22240 /22238	DEF AT - - - - -	DEF AT 5
22810 /22808	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
22960 /22958	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 5
23170 /23168	DEF AT - - - - -	DEF AT 4
23200 /23198	DEF IN Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 4
23380 /23378	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 5
23530 /23528	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
24010 /24007	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 4
24340 /24337	DEF AT - - - - -	DEF AT 5
24700 /24697	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
24740 /24737	DEF AT - - - - -	DEF AT 4
24790 /24787	DEF AT reworked material	DEF AT 4
25270 /25266	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4
25329 /25324	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 4
25330 /25325	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 4
25389 /25384	DEF AT radiolarians	DEF AT 4
25390 /25385	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 4
25507 /25501	POS AT condensed section	DEF AT 4
25508 /25502	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
 GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 969	<b>Date of Summary:</b> 28-NOV-2011	<b>First Sample Examined:</b> 17770
<b>Lease Number:</b> G26419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27391
<b>API Well Number:</b> 608124004800	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 17770 - 27330	<b>Water Depth:</b> 7755
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25509 /25503	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 4
25510 /25504	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 4
25540 /25534	DEF AT - - - - -	DEF AT 5
25569 /25563	DEF AT Bathysiphon fauna	POS AT 5
25570 /25564	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	POS AT 5
25599 /25593	DEF AT radiolarians	POS AT 5
25600 /25594	DEF AT local marker foram decrease	POS AT 5
25720 /25713	POS AT Bathysiphon fauna	POS AT 5
26290 /26282	DEF AT Bathysiphon fauna	POS AT 5
26710 /26702	DEF AT Arenaceous fauna (local marker)	POS AT 5
26890 /26882	DEF AT Bathysiphon fauna	POS AT 5
27310 /27301	DEF AT Bathysiphon fauna	POS AT 5
27330 /27321	DEF AT last sample examined	POS AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 969	<b>Date of Summary:</b> 06-JAN-2012	<b>First Sample Examined:</b> 10862
<b>Lease Number:</b> G26419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27391
<b>API Well Number:</b> 608124004800	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 10862 - 27330	<b>Water Depth:</b> 7755
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

**Remark:** Logan Prospect, consultant-integrated foram and nanno suprasalt and subsalt report, foram species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10862 /10862	DEF AT first sample examined	DEF IN 5
10863 /10863	DEF IN radiolarians	DEF IN 5
11010 /11010	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 5
11130 /11130	DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF IN 5
11160 /11160	DEF AT radiolarians	DEF IN 5
11400 /11400	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF IN 5
11880 /11880	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF IN 5
12058 /12058	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF IN 5
12059 /12059	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF IN 5
12060 /12060	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	DEF IN 5
12120 /12120	DEF AT Upper Cretaceous (Maastrichtian) Gansserina gansseri	DEF IN 5
12254 /12254	DEF AT Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF IN 5
12255 /12255	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF IN 5
12360 /12360	DEF AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF IN 5
12389 /12389	DEF AT radiolarians	DEF IN 5
12390 /12390	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF IN 5
12570 /12569	DEF AT Upper Cretaceous (Campanian) Globotruncana calcarata	DEF IN 5
12690 /12689	DEF AT Upper Cretaceous (Campanian) Globorotalites micheliniana	DEF IN 5
12900 /12899	DEF AT Upper Cretaceous (Campanian) Lithastrinus grillii	DEF IN 5
13200 /13199	POS AT Upper Cretaceous (Santonian) Marginotruncana renzi	DEF IN 5
13229 /13228	DEF AT Upper Cretaceous (Santonian) Marginotruncana sinuosa	DEF IN 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2000  
End Date: 01-DEC-2016

<b>Area Block:</b> WR 969	<b>Date of Summary:</b> 06-JAN-2012	<b>First Sample Examined:</b> 10862
<b>Lease Number:</b> G26419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27391
<b>API Well Number:</b> 608124004800	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 10862 - 27330	<b>Water Depth:</b> 7755
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13230 /13229	DEF AT Upper Cretaceous (Santonian) Marginotruncana renzi	DEF IN 5
13290 /13289	DEF AT Upper Cretaceous (Coniacian) Quadrum gartneri	DEF IN 5
13350 /13349	DEF AT Upper Cretaceous (Coniacian) Stoverius achylosus	DEF IN 5
13379 /13378	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF IN 5
13380 /13379	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana praehelvetica	DEF IN 5
13410 /13409	DEF AT Upper Cretaceous (Turonian) Praeglobotruncana stephani	DEF IN 5
13440 /13439	DEF AT Upper Cretaceous (Turonian) Calculites axosuturalis	DEF IN 5
13467 /13466	DEF AT Upper Cretaceous (Cenomanian) Rotalipora cushmani	DEF IN 5
13468 /13467	DEF AT Upper Cretaceous (Cenomanian) Rotalipora greenhornensis	DEF IN 5
13469 /13468	DEF AT Upper Cretaceous (Cenomanian) Coriolithon kennedyi	DEF IN 5
13470 /13469	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF IN 5
13620 /13619	DEF AT Upper Cretaceous (Cenomanian) Rotalipora reicheli	DEF IN 5
13650 /13649	DEF AT local marker floral increase	DEF IN 5
13830 /13829	DEF AT Lower Cretaceous (Albian) Rotalipora ticinensis	DEF IN 5
13859 /13858	DEF IN Upper Cretaceous (Cenomanian) Favusella washitensis	DEF IN 5
13860 /13859	DEF AT Lower Cretaceous (Albian) Planomalina buxtorfi	DEF IN 5
13890 /13889	DEF AT Lower Cretaceous (Albian) Hayesites albiensis	DEF IN 5
13950 /13949	DEF AT Lower Cretaceous (Albian) Braarudosphaera africana	DEF IN 5
14175 /14174	DEF AT salt	DEF IN 5
17769 /17767	DEF AT base of salt	DEF IN 4
17770 /17768	DEF AT out-of-place section	DEF IN 4
17771 /17769	POS IN Middle Miocene	DEF IN 4
18790 /18788	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
19419 /19417	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 969	Date of Summary: 06-JAN-2012	First Sample Examined: 10862
Lease Number: G26419	Source of Paleo: OPERATOR	Borehole MD: 27400
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27391
API Well Number: 608124004800	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 10862 - 27330	Water Depth: 7755
Public Info Code: Y 19-OCT-2015	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19420 /19418	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
19629 /19627	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 4
19630 /19628	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 4
19900 /19898	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4
20290 /20288	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
20410 /20408	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 4
20500 /20498	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 4
20860 /20858	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 4
20890 /20888	DEF AT - - - - -	DEF AT 5
21190 /21188	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
21220 /21218	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21250 /21248	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
21280 /21278	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
21370 /21368	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21460 /21458	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21550 /21548	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
21760 /21758	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
21910 /21908	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
22030 /22028	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
22300 /22298	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
22330 /22328	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 0
22360 /22358	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 0
22420 /22418	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 0
22540 /22538	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 0

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 969  
Lease Number: G26419  
Well Name: 001  
API Well Number: 608124004800  
Paleo Report Num: 4 of 4  
Public Info Code: Y 19-OCT-2015

Date of Summary: 06-JAN-2012  
Source of Paleo: OPERATOR  
Paleo Done By: PALEO-DATA, INC.  
Drilling Operator: STATOIL GULF OF MEXICO LLC  
Sample Range: 10862 - 27330  
Ecozone Eq MMS: Y

First Sample Examined: 10862  
Borehole MD: 27400  
Borehole TVD: 27391  
Rkb Elevation: 92  
Water Depth: 7755  
Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22929 /22927	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT 0
22930 /22928	POS AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 0
23080 /23078	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 0
23200 /23198	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 0
23260 /23258	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 0
23680 /23678	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 0
23916 /23913	DEF AT Lower Miocene (Aquitainian) Globorotalia kugleri	DEF AT 0
23917 /23914	DEF AT Lower Miocene (Aquitainian) Globigerina angulisuturalis	DEF AT 0
23918 /23915	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
23919 /23916	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
23920 /23917	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
24280 /24277	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
24550 /24547	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
24910 /24907	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
25000 /24997	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
25178 /25174	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 5
25179 /25175	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
25180 /25176	POS AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF AT 5
25210 /25206	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
25329 /25324	POS IN Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
25330 /25325	POS AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT 5
25390 /25385	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
25420 /25415	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5
25450 /25445	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 5

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GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 969	<b>Date of Summary:</b> 06-JAN-2012	<b>First Sample Examined:</b> 10862
<b>Lease Number:</b> G26419	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 27400
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 27391
<b>API Well Number:</b> 608124004800	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 10862 - 27330	<b>Water Depth:</b> 7755
<b>Public Info Code:</b> Y 19-OCT-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25540 /25534	POS IN Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
25570 /25564	POS AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
25599 /25593	DEF AT radiolarians	DEF AT 5
25600 /25594	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT 5
25690 /25683	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT 5
25810 /25803	DEF AT Bathysiphon fauna	DEF AT 5
25840 /25833	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT 5
26290 /26282	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
26440 /26432	DEF AT local marker floral increase	DEF AT 5
26620 /26612	POS AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT 5
26740 /26732	DEF AT radiolarians	DEF AT 5
27330 /27321	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 970	<b>Date of Summary:</b> 26-JUN-2013	<b>First Sample Examined:</b> 17827
<b>Lease Number:</b> G26420	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22248
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22189
<b>API Well Number:</b> 608124008500	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17827 - 22248	<b>Water Depth:</b> 7438
<b>Public Info Code:</b> Y 19-AUG-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Logan Appraisal Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17827 /17827	DEF AT first sample examined	DEF AT
17828 /17828	DEF IN out-of-place section	DEF AT
17889 /17889	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17890 /17890	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17920 /17920	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
19000 /19000	POS AT local marker floral increase	DEF AT
19240 /19240	DEF AT local marker floral increase	DEF AT
19390 /19390	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19501 /19501	DEF AT local marker floral increase	DEF AT
19550 /19550	POS AT local marker floral increase	DEF AT
19670 /19670	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
19760 /19760	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19820 /19820	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20180 /20180	DEF AT local marker floral increase	DEF AT
20210 /20210	DEF AT local marker floral increase	DEF AT
20270 /20270	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20390 /20390	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20960 /20959	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21019 /21018	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21020 /21019	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21320 /21314	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
21590 /21576	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 970	<b>Date of Summary:</b> 26-JUN-2013	<b>First Sample Examined:</b> 17827
<b>Lease Number:</b> G26420	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 22248
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 22189
<b>API Well Number:</b> 608124008500	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 17827 - 22248	<b>Water Depth:</b> 7438
<b>Public Info Code:</b> Y 19-AUG-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21620 /21604	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21680 /21661	DEF AT local marker floral increase	DEF AT
21740 /21718	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21830 /21803	DEF AT local marker floral increase	DEF AT
21860 /21831	DEF AT local marker floral increase	DEF AT
21890 /21859	DEF AT out-of-place section	DEF AT
22010 /21970	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22040 /21998	DEF AT local marker floral increase	DEF AT
22070 /22026	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22130 /22081	POS AT local marker floral increase	DEF AT
22248 /22189	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 970	Date of Summary: 01-SEP-2013	First Sample Examined: 17790
Lease Number: G26420	Source of Paleo: OPERATOR	Borehole MD: 22248
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22189
API Well Number: 608124008500	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 17790 - 22248	Water Depth: 7438
Public Info Code: Y 19-AUG-2015	Ecozone Eq MMS:	Paleo ID: 002

Remark: Logan Appraisal Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17790 /17790	DEF AT first sample examined	DEF AT
17791 /17791	POS IN Pliocene	DEF AT
17860 /17860	DEF AT -----	POS AT 5
17890 /17890	DEF AT -----	POS AT 4
18070 /18070	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
18430 /18430	DEF AT pyrite	DEF AT
18489 /18489	DEF AT pyrite	DEF AT
18490 /18490	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
19030 /19030	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 5
19240 /19240	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 5
19300 /19300	DEF AT -----	DEF AT
19420 /19420	DEF AT local marker planktic foram increase	DEF AT
19480 /19480	DEF AT pyrite	DEF AT
19670 /19670	DEF AT pyrite	DEF AT
19700 /19700	DEF AT pyrite	DEF AT
19790 /19790	DEF AT pyrite	DEF AT
19820 /19820	POS AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
19970 /19970	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	POS AT 4
20150 /20150	DEF AT -----	POS AT 5
20210 /20210	DEF AT -----	DEF AT
20450 /20450	DEF AT -----	POS AT 4
20570 /20570	DEF AT -----	POS IN 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 970	Date of Summary: 01-SEP-2013	First Sample Examined: 17790
Lease Number: G26420	Source of Paleo: OPERATOR	Borehole MD: 22248
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22189
API Well Number: 608124008500	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 17790 - 22248	Water Depth: 7438
Public Info Code: Y 19-AUG-2015	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20660 /20660	DEF AT - - - - -	POS AT 4
20780 /20780	DEF AT pyrite	DEF AT
20870 /20869	DEF AT pyrite	DEF AT
20989 /20988	DEF AT local marker planktic foram increase	POS AT 4
20990 /20989	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	POS AT 4
21080 /21078	POS AT Upper Miocene (Tortonian) Uvigerina 3	POS AT 4
21290 /21285	DEF AT - - - - -	POS IN 4
21320 /21314	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	POS AT 5
21349 /21343	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 5
21350 /21344	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
21380 /21373	DEF AT - - - - -	POS AT 4
21440 /21431	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS AT 4
21590 /21576	DEF AT - - - - -	DEF AT
21770 /21746	DEF AT gray shale	DEF AT
21800 /21775	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21890 /21859	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21920 /21887	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	POS AT 6
21950 /21915	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 5
21980 /21943	DEF AT - - - - -	POS AT 6
22010 /21970	DEF AT local marker foram decrease	POS IN 5
22070 /22026	DEF AT drilling material	POS IN 5
22100 /22053	DEF AT - - - - -	POS AT 5
22248 /22189	DEF AT last sample examined	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 970	Date of Summary: 04-AUG-2013	First Sample Examined: 19510
Lease Number: G26420	Source of Paleo: OPERATOR	Borehole MD: 28865
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28206
API Well Number: 608124008501	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 19510 - 28865	Water Depth: 7403
Public Info Code: Y 19-AUG-2015	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Logan Appraisal Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19510 /19510	DEF AT first sample examined	DEF AT
19511 /19511	DEF AT out-of-place section	DEF AT
19670 /19670	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20060 /20057	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20180 /20175	DEF AT local marker floral increase	DEF AT
20240 /20234	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20420 /20411	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20570 /20558	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
20870 /20848	DEF AT local marker floral increase	DEF AT
20930 /20905	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21559 /21489	DEF IN Middle Miocene (Serravallian) Discoaster musicus	DEF AT
21560 /21490	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21618 /21544	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21619 /21544	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
21620 /21545	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21740 /21656	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21860 /21766	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21980 /21877	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22010 /21904	DEF AT transported shelf fauna	DEF AT
22160 /22042	DEF AT local marker floral increase	DEF AT
22370 /22235	DEF AT local marker floral increase	DEF AT
22550 /22401	DEF AT local marker floral increase	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 970	<b>Date of Summary:</b> 04-AUG-2013	<b>First Sample Examined:</b> 19510
<b>Lease Number:</b> G26420	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28865
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28206
<b>API Well Number:</b> 608124008501	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19510 - 28865	<b>Water Depth:</b> 7403
<b>Public Info Code:</b> Y 19-AUG-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22610 /22456	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22730 /22566	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22752 /22586	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
22830 /22658	DEF AT local marker floral increase	DEF AT
23100 /22906	DEF AT local marker floral increase	DEF AT
23430 /23210	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24179 /23898	DEF AT floral flood	DEF AT
24180 /23899	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengereri	DEF AT
24419 /24119	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
24420 /24120	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
24600 /24285	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
24720 /24395	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
24780 /24451	DEF AT local marker floral increase	DEF AT
24840 /24506	DEF AT local marker floral increase	DEF AT
24929 /24588	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
24930 /24589	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24960 /24616	DEF AT local marker floral increase	DEF AT
25318 /24946	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
25319 /24947	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
25320 /24948	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
25650 /25251	DEF AT local marker floral increase	DEF AT
25740 /25333	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
25770 /25361	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
25860 /25444	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 970	<b>Date of Summary:</b> 04-AUG-2013	<b>First Sample Examined:</b> 19510
<b>Lease Number:</b> G26420	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28865
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 28206
<b>API Well Number:</b> 608124008501	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 19510 - 28865	<b>Water Depth:</b> 7403
<b>Public Info Code:</b> Y 19-AUG-2015	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25980 /25554	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
26130 /25692	DEF AT local marker floral increase	DEF AT
26337 /25882	DEF AT local marker floral increase	DEF AT
26360 /25903	DEF IN Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
26390 /25931	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
26420 /25958	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
26540 /26068	DEF AT local marker floral increase	DEF AT
26600 /26124	DEF AT local marker floral increase	DEF AT
26630 /26151	DEF AT floral flood	DEF AT
26950 /26445	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
26979 /26472	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
26980 /26473	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
27760 /27190	DEF AT Upper (Late) Paleocene	DEF AT
27770 /27199	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
27910 /27328	DEF AT local marker floral increase	DEF AT
28865 /28206	DEF AT last sample examined	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 970	Date of Summary: 01-SEP-2013	First Sample Examined: 19469
Lease Number: G26420	Source of Paleo: OPERATOR	Borehole MD: 28865
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28206
API Well Number: 608124008501	Drilling Operator: STATOIL GULF OF MEXICO LLC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 19469 - 28865	Water Depth: 7403
Public Info Code: Y 19-AUG-2015	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Logan Appraisal Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19469 /19469	DEF AT first sample examined	DEF AT
19670 /19670	DEF AT pyrite	DEF AT
19850 /19849	POS IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
20240 /20234	DEF AT -----	POS AT 4
20270 /20263	DEF AT -----	POS AT 5
20300 /20293	DEF AT pyrite	POS AT 5
20570 /20558	DEF AT pyrite	DEF AT
20660 /20645	DEF AT -----	POS AT 4
20720 /20704	DEF AT pyrite	DEF AT
20930 /20905	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	POS AT 4
20960 /20934	DEF AT drilling material	POS AT 4
20990 /20962	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS AT 5
21050 /21019	DEF AT pyrite	POS AT 4
21230 /21187	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21260 /21214	DEF AT -----	POS AT 5
21290 /21242	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 5
21320 /21269	DEF AT -----	DEF AT 5
21440 /21380	DEF AT -----	POS AT 5
21470 /21407	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21500 /21435	DEF AT -----	POS AT 5
21560 /21490	DEF AT -----	DEF AT 4
21590 /21518	DEF AT -----	POS AT 5

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BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 970  
Lease Number: G26420  
Well Name: 001  
API Well Number: 608124008501  
Paleo Report Num: 2 of 2  
Public Info Code: Y 19-AUG-2015

Date of Summary: 01-SEP-2013  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: STATOIL GULF OF MEXICO LLC  
Sample Range: 19469 - 28865  
Ecozone Eq MMS: Y

First Sample Examined: 19469  
Borehole MD: 28865  
Borehole TVD: 28206  
Rkb Elevation: 106  
Water Depth: 7403  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21650 /21573	DEF AT local marker benthic foram increase	POS AT 4
21680 /21601	DEF AT -----	POS AT 5
21860 /21766	POS AT Middle Miocene (Langhian) Amphistegina "B"	POS AT 4
21950 /21849	DEF AT -----	POS AT 5
21980 /21877	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	POS AT 6
22009 /21903	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
22010 /21904	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
22130 /22014	DEF AT -----	POS AT 5
22160 /22042	DEF AT drilling material	POS AT 5
22280 /22152	DEF AT -----	POS AT 4
22370 /22235	DEF AT drilling material	DEF AT
22460 /22318	DEF AT pyrite	DEF AT
22520 /22373	DEF AT drilling material	DEF AT
22640 /22483	DEF AT pyrite	DEF AT
22742 /22577	DEF AT cement	DEF AT
22800 /22630	DEF AT pyrite	DEF AT
22980 /22796	DEF AT drilling material	DEF AT
23160 /22962	DEF AT -----	POS AT 5
23190 /22989	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
23280 /23072	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
23400 /23182	DEF AT -----	POS AT 6
23460 /23237	DEF AT pyrite	DEF AT
23520 /23293	POS AT local marker planktic foram increase	POS AT 4
23640 /23403	DEF AT -----	POS AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

Area Block: WR 970  
Lease Number: G26420  
Well Name: 001  
API Well Number: 608124008501  
Paleo Report Num: 2 of 2  
Public Info Code: Y 19-AUG-2015

Date of Summary: 01-SEP-2013  
Source of Paleo: OPERATOR  
Paleo Done By: APPLIED BIOSTRATIGRAPHIX  
Drilling Operator: STATOIL GULF OF MEXICO LLC  
Sample Range: 19469 - 28865  
Ecozone Eq MMS: Y

First Sample Examined: 19469  
Borehole MD: 28865  
Borehole TVD: 28206  
Rkb Elevation: 106  
Water Depth: 7403  
Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23670 /23430	DEF AT -----	DEF AT 4
23850 /23596	DEF AT pyrite	DEF AT 4
23940 /23679	DEF AT -----	POS AT 5
23970 /23706	DEF AT -----	POS AT 4
24150 /23872	DEF AT drilling material	POS AT 4
24270 /23982	DEF AT brown shale	POS AT 4
24330 /24037	DEF AT -----	POS AT 5
24510 /24202	DEF AT -----	POS IN 5
24540 /24230	DEF AT -----	POS AT 5
24570 /24258	DEF AT -----	DEF AT
24720 /24395	DEF AT -----	POS AT 4
24810 /24478	DEF AT local marker benthic foram increase	POS AT 5
24840 /24506	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	POS AT 5
24960 /24616	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	POS AT 5
24990 /24644	DEF AT -----	POS AT 4
25170 /24810	DEF AT -----	POS AT 5
25260 /24892	DEF AT drilling material	POS AT 4
25440 /25058	DEF AT cement	POS AT 4
25470 /25085	DEF AT -----	POS AT 5
25740 /25333	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
25770 /25361	DEF AT reworked material	DEF AT 5
25920 /25499	DEF AT -----	DEF AT
26070 /25637	DEF AT drilling material	DEF AT
26323 /25869	DEF AT cement	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 970	<b>Date of Summary:</b> 01-SEP-2013	<b>First Sample Examined:</b> 19469
<b>Lease Number:</b> G26420	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28865
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 28206
<b>API Well Number:</b> 608124008501	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19469 - 28865	<b>Water Depth:</b> 7403
<b>Public Info Code:</b> Y 19-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26389 /25930	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	POS IN 5
26390 /25931	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	POS IN 5
26540 /26068	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 5
26599 /26123	DEF AT pyrite	DEF IN 5
26600 /26124	POS AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 5
26660 /26179	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 5
26780 /26289	DEF AT -----	POS IN 5
26840 /26344	DEF AT radiolarians	DEF IN 6
26870 /26372	DEF AT -----	POS AT 6
26900 /26399	DEF AT -----	DEF AT 6
26929 /26426	DEF AT pyrite	POS AT 6
26930 /26427	DEF AT radiolarians	POS AT 6
26959 /26454	DEF AT pyrite	POS AT 6
26960 /26455	DEF AT local marker planktic foram increase	POS AT 6
26990 /26482	POS AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	POS AT 6
27050 /26537	DEF AT pyrite	DEF AT 6
27080 /26565	DEF AT -----	POS AT 6
27770 /27199	POS AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT
28040 /27448	DEF AT pyrite	DEF AT
28099 /27502	DEF AT pyrite	DEF AT
28100 /27503	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
28339 /27723	DEF AT pyrite	DEF AT
28340 /27723	DEF AT Bathysiphon fauna	DEF AT
28370 /27751	DEF AT Bathysiphon fauna	DEF AT

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UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF OCEAN ENERGY MANAGEMENT  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2000

End Date: 01-DEC-2016

<b>Area Block:</b> WR 970	<b>Date of Summary:</b> 01-SEP-2013	<b>First Sample Examined:</b> 19469
<b>Lease Number:</b> G26420	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 28865
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 28206
<b>API Well Number:</b> 608124008501	<b>Drilling Operator:</b> STATOIL GULF OF MEXICO LLC	<b>Rkb Elevation:</b> 106
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 19469 - 28865	<b>Water Depth:</b> 7403
<b>Public Info Code:</b> Y 19-AUG-2015	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28520 /27889	DEF AT pyrite	DEF AT
28700 /28054	DEF AT Bathysiphon fauna	DEF AT
28790 /28137	DEF AT pyrite	DEF AT
28865 /28206	DEF AT last sample examined	DEF AT